

## STIC Search Report Biotech-Chem Library

### STIC Database Tracking Number: 137366

TO: Terra Gibbs

Location: REM/2D10/2C18

Art Unit: 1635

Monday, November 08, 2004

Case Serial Number: 09/918026

From: David Schreiber

**Location: Biotech-Chem Library** 

Remsen E01A61 Phone: 272-2526

david.schreiber@uspto.gov

- Search Notes		e, i	
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#### **SEARCH REQUEST FORM**

#### Scientific and Technical Information Center

Requester's Full Name:		Examiner # :	
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Title of Invention:			
Inventors (please provide full names):			
Earliest Priority Filing Date:			
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PTO-1590 (8-01)

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#### Schreiber, David

From:

Gibbs, Terra

Sent:

Monday, November 01, 2004 9:14 AM

To:

Schreiber, David

Subject:

Sequence search request...

Hi David,

I have another request for a score over length search:

I need a length limited nucleotide sequence search of SEQ ID NO:3 in USSN 09/918,026, where the returns are rank ordered based on the score over length/ratio as we've discussed. I need the lengths limited to hits between 8 and 50 nucleotides, and I'll take as many hits as you can import into excel (64,000?), and alignments for anything above .75 on the above ratio. Hope this is clear, please call me if it's not. I also need the interference databases searched.

Terra Cotta Gibbs, Ph.D. Art Unit 1635 Remsen Building 2D10 Mailbox 2C18 571-272-0758

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# STIC SEARCH RESULTS FEEDBACK FORM

## Biotech-Chem Library

Questions about the scope or the results of the search? Contact the searcher or contact:

Mary Hale, Information Branch Supervisor Remsen Bldg. 01 D86 571-272-2507

Voluntary Results Feedback Form
> I am an examiner in Workgroup: Example: 1610
> Relevant prior art <b>found</b> , search results used as follows:
☐ 102 rejection
☐ 103 rejection
☐ Cited as being of interest.
Helped examiner better understand the invention.
Helped examiner better understand the state of the art in their technology.
Types of relevant prior art found:
☐ Foreign Patent(s)
<ul> <li>Non-Patent Literature         (journal articles, conference proceedings, new product announcements etc.)     </li> </ul>
> Relevant prior art not found:
Results verified the lack of relevant prior art (helped determine patentability).
Results were not useful in determining patentability or understanding the invention.
Comments:

Drop off or send completed forms to STIC-Biotech-Chem Library Remsen Bldg



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#### SCORE OVER LENGTH SEARCHES

Attached is a score over length search. This search was developed to overcome limitations in most standard search systems which favor large sequences with high scoring, but lesser overall identity over smaller sequences with higher overall identity. This search is especially useful for relatively small nucleic acid or polypeptide target sequences (antisense, fragments, probes, primers, RNAi, epitopes, haptens, etc.) claimed functionally via a form of hybridization and/or identity language and having defined upper and lower polynucleotide and or polypeptide length limits.

The score over length search is performed by first running the query sequence using examiner-specified identity and polynucleotide or protein length limit parameters, and saving 65,000 hits and 0 alignments from each desired database. The resulting output is reformatted using a Microsoft Word macro and is imported into Excel. The summary table data are then sorted by the ratio of score of each hit sequence divided by its length and the accession numbers for all hits below the examiner's desired score over length parameters are deleted. The remaining accession numbers are used to pull the corresponding sequences from the databases into subdatabases enriched for good hits and the query sequence is re-run against these subdatabases to yield the final results.

The score over length cutoff for this search is  $\frac{75.7_6}{}$ 

Examiner Please Note: This cover sheet should be included when submitting results to be scanned.

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S Cases,S., Farese,R.V. Jr. and Erickson,S.K.
Acyl CoA.cholesterol acyltransferase (ACAT-2)
AL Patent: US 6579974-A 8 17-UN-2003,
Location/Qualifiers
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AR344231/c
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AR344230
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AR344229
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Topology: Linear;
The letter 'N' stands for the stem II region of a HH ribozyme.
Key
                                                                                                               PAT 18-DEC-2003
                                                                                                                                                                                            Unknown.
Unclassified.
Unclassified.
1 (bases 1 to 27)
Akhtar,S., Fell,P. and McSwiggen,J.A.
Akhtar,S., Fell,P. and treatment of diseases of conditions related
to levels of epidermal growth factor receptors
to levels of 663362-A 1097 23-SEP-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Akhtar S., Fell, P. and Mcswiggen, J.A.

Akhtar S., Fell, P. and Mcswiggen, J.A.

Enzymatic nucleic acid treatment of diseases or conditions related
to levels of epidermal growth factor receptors

RIBOZYME PHARMACEUTICALS INC, ASTON UNIV
OS Unidentified
PN JP 2001511003-A/1097
PD 07-AMC-2001
PF 14-JAN-1998 JP 1996532913
PF 31-JAN-1997 US 60/036476,04-DEC-1997 US 08/985162 PI
SAGHIR AKHTAR, PATRICIA FELL, JAMES A MCSWIGGEN PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors.
 ACCESSION: BD104621
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85.2%; Pred. No. 26; ,
tive 0; Mismatches 4;
                                                                                                               bp DNA
6623962.
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    .27
    /organism="unidentified"
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/db_xref="taxon:32644"

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 BD104621
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JP 2001511003-A/1097.
unidentified
unidentified
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PN JP 2001511003-A
PN JP 2001511003-A
PF 14-JAN-1998 JP
PR 31-JAN-1997 US
SAGHIR AKHTAR, PATRIC
C12N9/00, CO7/K14/71
CC Strandedness: S
CC Topology: Linea
CC The letter 'N'
FH Key
FT Source
  Н
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Best Local Similarity 85.23
Matches 23; Conservative
 17
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Best Local Similarity
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749 CTGTGCCTGGGATCCTTCGTGCC 771
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Best Local Similarity 90.0
Matches 18; Conservative
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Best Local Similarity 90.0
Matches 18; Conservative
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Unclassified.
1 (bases 1 to 21)
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AR364977/c
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138900/c
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I87931/c
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Profiling tumor specific markers for the diagnosis and treatment of neoplastic disease
Patent: WO 0240716-A 70 23-MAY-2002;
Cemines, LLC (US)
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                                                                                                                      DB 1; Length 26;
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                                                                                                                                                Indels
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             Cases,S., Farese,R.V. Jr. and Brickson,S.K. Acyl CoAs:cholesterol acyltransferase (ACAT-2) Patent: US 6579974.A 6 17-JUN-2003; Location/Qualifiers
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Cases, S., Farese, R.V. Jr. and Erickson, S.K.
Acyl CoAs:cholesterol acyltransferase (ACAT-2)
Patent: Uccation/Qualifiers
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/nofe="probe"
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                                                                                                                   Query Match 1.2%; Score 19.6; I
Best Local Similarity 84.6%; Pred. No. 46;
Matches 22; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                             24 bp
Sequence 70 from Patent W00240716.
                                                                                                                                                                         1253 CCCGAGGGTAGCCATGCTGGTGTG 1278
                                                                   1. .26
/organism="unknown"
/mol_type="genomic DNA"
                                                                                                                                                                                        1 CTCGCGGGGTGGCCATGCTGGGAGTG 26
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/organism="unknown"
                                                                                                                                                                                                                                                                                                     AX548146.1 GI:25813180
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artificial sequences.
  (bases 1 to 26)
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Matches 20; Conserva
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AX548146/c
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AR344228
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PAT 13-MAY-1997
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Bjursell, K.G., Carlsson, P.N.I., Enerback, C.S.M., Hansson, S.L., Lidberg, U.F.P., Nilsson, J.A. and Tornell, J.B.F.
Genomic DNA sequences encoding human BSSL/CEL
Patent: US 5616483-A 10 01-APR-1997;
Location/Qualifiers
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Sequence 10 from patent US 5616483.
138900
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/mol_type="unassigned DNA"
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Sequence 28 from patent US 5455029.
AR364977
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CTGTGCCTGGGATCTTTTGTGTC 24
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1 (bases 1 to 21)
Tornell, J.Birger.Fredrik.
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synthetic construct
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Unclassified.
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Matches 17; Conserv
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                                                                                                                                 CQ801047
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CQ801047/c
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AR176845
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AR086279
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Single nucleotide polymorphisms in genes
Patent: WO 0118250-A 700 15-MAR-2001,
WHITEHEAD INSTITUTE FOR BIOMEDICAL RESEARCH (US) ; Millennium
                                                                                                                                                               Gaps
   and Oren, R.
Hartman,J.R., Oppenheim,A.B., Gorecki,M., Aviv,H. and Oren,J
Therapeutic compositions comprising a mixture of human Cuzn
superoxide dismutase analogs
Patent: US 5455029-A 28 03-OCT-1995;
Location/Qualifiers
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Cohen,D., Chumakov,I. and Blumenfeld,M.
Biallelic markers for use in constructing a high density
disequilibrium map of the human genome
Patent: US 6537751-A 11729 25-WAR-2003;
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                                                                                                                                 Length 21;
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                                                                                                                                1.1%; Score 16.8; DB 1;
90.0%; Pred. No. 85;
tive 0; Mismatches 2;
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Pred. No. 89;
                                                                                                                                                                                                                                                                                     Sequence 11729 from patent US 6537751. AR299994
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94.4%; Pred. No. c.,
... 0; Mismatches

    .21
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 700 from Patent WO0118250.
AX095522
                                                                                                   /mol_type="genomic DNA"
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/organism="unknown"
                                                                                       /organism="unknown"
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Best Local Similarity 90.04
Matches 18; Conservative
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Best Local Similarity 94.44
Matches 17; Conservative
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                                                                                                                                                                              PAT 05-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid amplification primers for pcr-based clonality studies Patent: WO 2004033728-A 38 22-APR-2004; Erasmus Universiteit Rotterdam (NL); Van Dongen, Jacobus, Johannes,
                                                                                                                                                                                                                                                                                                                                                    van Dongen, J.J., Langerak, A.W., Schuuring, E.M., san Miquel, J.F., garzia Sanz, R., Parreira, A., Smith, J.L., Lavender, F.L., Morgan, G.J., Evans, P.A., Kneba, M., Hummel, M., Macintyre, E.A. and Bastard, C.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /note="Description of Artificial Sequence: DH4 primer"
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Dean,N.M., McKay,R., Miraglia,L. and Baker,B.
Antisense oligonucleotide compositions and methods for the inibition of c-lon and C-Fos Patent: US 598558-A 100 16-NOV-1999;
Location/Qualifiers
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89.5%; Pred. No. 1e+02;
tive 0; Mismatches 2; Indels
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Pred. No. 1.1e+02;
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
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89.5%; Pred. No. 1.1.
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  Mismatches
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                                           1220 ATCAGGATGGGCTGCGGCTCC 1240
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/organism="unknown"
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequence 10 from patent US 6544505.
AR303015
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                          292 CTGGGGAACAGAAGTTT 310
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PN JP 2002526078-A/7
PN JP 2002526078-A/7
PP 2002526078-A/7
PP 2002526078-A/7
PP 16-SEP-1999 JP 2000574260
PR 18-SEP-1999 US 09/157068,05-FEB-1999 US 09/245293 PR 18-SEP-1999 US 09/157068,05-FEB-1999 US 09/360232
PI DARRELL C CONKLIN,FRANCIS J GRANT,MARK RIXON,WAYNE KINDSVOGEL PC C12N15/09,A61F28/00,A61F28/12,A61F48/00,A61F99/10, PC A61P25/00,A61P25/16,A61P25/18,A61P25/22,A61P25/24,A61P25/28,PC A61P23/00,A61P31/12,A61P31/18,A61P35/00,A61P35/02,A61P37/02,A61P37/04,PC C07K16/05,C07K16/24,C07K19/00,C12N1/15,C12N1/19,C12N1/21 PC C12N5/10,C12N7/00,PC C12N1/10,C12N1/10,C12N1/01,C12N1/02,C12Q1/02,C12Q1/68,G01N33/53/A61K35/76,C12P21/08,PC
        PAT 17-DEC-2001
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Dean, N.M., McKay, R., Miraglia, L. and Baker, B.
Antisense oligonucleotide compositions and methods for the modulation of activating protein 1
Patent: US 6312900-A 100 06-NOV-2001;
Location/Qualifiers
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1 (bases 1 to 20)
Conklin,D.C., Grant,F.J., Rixon,M. and Kindsvogel,W.
Interferon-epsilon
Patent: JP 2002526078-A 7 20-AUG-2002;
ZYMOGENETICS INC

    .20
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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20 bp D. Sequence 100 from patent US 6312900. AR176845. GI:17919200

    .20
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JP 2002526078-A/7.
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Conklin,D.C., Grant,F.J., Rixon,M.W. and Kindsvogel,W.
Interferon-epsilon
Patent: US 6544505-A 10 08-APR-2003;
Location/Qualifiers
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Unclassified.
Unclassified.
1 (bases 1 to 20)
Conklin,D.C., Grant,F.J., Rixon,M.W. and Kindsvogel,W.
Interferon-epsilon
Patent: US 6129175-A 10 11-DEC-2001;
Location/Qualifiers
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PAT 02-FEB-2004
                                 Chen,Y.Z., Hayashi,Y., Wu,J.G., Takaoka,E., Maekawa,K.,
Watanabe,N., Inazawa,J., Hosoda,F., Arai,Y., Mizushima,H.,
Morohashi,A., Ohira,M., Nakagawara,A., Liu,S., Hoshi,M., Horii,A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note="forward primer for human STS sts-T89426 at 1p36 sts-T89426 obtained from clones B319M23, B19901, B77L10, B250L20, B203123, Human BAC library RPCI-11"
                                                                                                                                                                                                                                     Direct Submission
Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Submitted (04-AUG-2001) Akira Horii, Tohoku University School of Medicine, Molecular Pathology; 2-1 Seiryomachi, Aoba ku, Sendai, Miyagi 980-8575, Japan (E-mail:horii@mail.cc.tohoku.ac.jp, Tel:81-22-717-8047)
Locarion/Qualifiers
                                                                                                          A BAC-based STS-content map spanning a 35-Mb region of human chromosome 1p35-p36 Genomics 74 (1), 55-70 (2001)
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Avi Biopharma, Inc. (US)
Location/Qualifiers
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Pred. No. 1.3e+02;
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1..20
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/organism="synthetic construct"
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Sequence 6625 from Patent WO0192524.
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Sequence 96 from Patent WO0149775.
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Matches 17; Conservative (
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Horii, A.
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JP 2001321190-A/605
20-NOV-2001
12-MAR-2001 JP 2001068285
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CIZNIS/09,CIZNIS/09,CIZMI/00,CIZQI/68,G0IN33/53,G0IN33/566, PC
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Patent: JP 2001321190-A 605 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
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/organism='Artificial Sequence'
Location/Qualifiers
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Best Local Similarity 89.5%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 89.5%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 2;
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                                   Coronary chip
Patent: WO 02072882-A 4626 19-SEP-2002;
OGHAM GmbH (DE)
                                                                                                                             /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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A method of arraying genome clone.
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                 Cullen, P. and Seedorf, U.
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AB068400.1 GI:15129204
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                                                            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Shannon,M.E.
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Patent: WO 019524-A 6625 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 6626 06-DEC-2001;
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Best Local Similarity 94.1%; Pred. No. 90;
Matches 16; Conservative 0; Mismatches

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/db_xref="taxon:9606"
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CQ621885.1 GI:41672103
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                                                                                                                        Shannon, M. E.
                                              Homo sapiens
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 6627 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Aeomica, Inc. (US)
Location/Qualifiers
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AR188324
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Best Local Similarity 94.1%; Pred. No. 90;
Matches 16; Conservative 0; Mismatches
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Best Local Similarity 94.1<sup>1</sup>
Matches 16; Conservative
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PAT 18-DEC-2003
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Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

Parco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. McKhod and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 6203 20-MAY-2003;

Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Beigelman, L., Burgin, A.B., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Oligoribonucleotides with enzymatic activity Patent: Location/Qualifiers
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94.1%; Pred. No. 90;
tive 0; Mismatches
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94.1%; Pred. No. 90;
tive 0; Mismatches
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/mol_type="unassigned RNA"
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AR397968/c
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
McHod and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 1579 20-MAY-2003;
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1 Similarity 94.1%; Pred. No. 90;
16; Conservative 0; Mismatches 1; Indels
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Beigelman, L., Burgin, A., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S.
Synthetic ribonucleic acids with RNAse activity
Patent: US 6528640-A 350 04-MAR-2003;
Location/Qualifiers
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6566127.
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6566127.
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Sequence 350 from patent US 6528640.
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AR328801
AR328801.1 GI:33714609
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AR324177.1 GI:33709985
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AR285978.1 GI:29723574
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AR285978/c
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AR328801/c
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AR324177/c
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PAT 06-FEB-2002
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                                                                                 Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6628 03-FEB-2004;
                Unknown.
Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Patent: BP 1174518-4375 23-JAN-2002;
Amsterdam Support Diagnostics B.V. (NL)
Location/Qualifiers
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Patent: WO 0208463-A 375 31-JAN-2002;
Amsterdam Support Diagnostics B.V. (NL)
Location/Qualifiers
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/db_xref="teaxon:32630"
/note="position 151"

    .19 /organism="synthetic construct" /mol_type="unassigned DNA"

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1. Similarity 94.1%; Pred. No. 90; 16; Conservative 0; Mismatches
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/organism="unknown"
/mol_type="genomic DNA"
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shamnon,M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 6626 03-FEB-2004;

Location/Qualifiers
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1 (bases 1 to 17)

1 (Y. Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shamon,M.E.
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4.1%; Pred. No. 90;
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AR462951.
AR462951.1 GI:42698008
                                                                                                                                AR462949 17 bp DNA
Sequence 6626 from patent US 6686188.
AR462949
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/organism="unknown"
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/mol_type="genomic DNA"
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              TCTGCGTCTGCAGAGGA 37
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Matches 16; Conservative
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Matches 16; Conservative
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LOCUS DEFINITION ACCESSION

RESULT 34 AR462950

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REFERENCE AUTHORS

VERSION KEYWORDS SOURCE

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DEFINITION ACCESSION VERSION KEYWORDS

RESULT 35 AR462951 LOCUS

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RESULT 38
AR230366/c
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PAT 17-AUG-2003
 PAT 12-JUN-2003
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                                                                                                    Unknown.
Unclassified.
1 (Jose 1 to 20)
Simons,J.N., Plot-Matias,T.J., Dawson,G.J., Schlauder,G.G.,
Desai,S.M., Leary,T.P., Muerhoff,A.S., Erker,J.C., Buijk,S.L. and
Mushahwar,I.K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.

(Deses 1 to 20)

Simons,J.N., Pilot-Matias,T.J., Dawson,G.J., Schlauder,G.G.,

Besai,S.M., Leary,T.P., Muerhoff,A.S., Erker,J.C., Buijk,S.L. and
Mushahwar,I.K.

Non-A, non-B, non-C, non-D, non-E hepatitis reagents and methods
for their use

Patent: US 6586568-A 99 01-JUL-2003;
                                                                                                                                                                                                     Non-A, non-B, non-C, non-D, non-E hepatitis reagents and methods for their use Patent: US 655898B-A 99 06-WAY-2003; Location/Qualifiers
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94.1%; Pred. No. 1.3e+02;
tive 0; Mismatches 1;
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Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1;
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Sequence 99 from patent US 6586569.
AR350473.1 GI:33751616
AR310061 20 bp Sequence 99 from patent US 6558898.
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Sequence 9 from patent US 6670135.
AR442660.
AR442660.1 GI:42669921.
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/organism="unknown"
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AR310061.1 GI:31702339
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Spriggs, M.K.
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AR442660/c
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Simons,J.N., Pilot-Matias,T.J., Dawson,G.J., Schlauder,G.G.,
Simons,J.N., Leary,T.P., Muerhoff,A.S., Erker,J.C., Buijk,S.L. and
Mushaiwar,I.K.
Non-A, non-B, non-C, non-D, non-E hepatitis reagents and methods
for their use
Patent: US 6451578-A 99 17-SEP-2002;
Location/Qualifiers
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COWBETT, L.M.
Antisense modulation of dual specific phosphatase 8 expression
Patent: US 6482644-A 17 19-NOV-2002;
Location/Qualifiers
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                                                 Query Match
1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 94.1%; Pred. No. 1.2e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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Sequence 17 from patent US 6482644.
AR255958
AR255958.1 GI:27305217
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Sequence 99 from patent US 6451578.
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   /db_xref="taxon:32630"
/note="position 151"
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

TITLE JOURNAL FEATURES REFERENCE AUTHORS

RESULT 40 AR310061/c

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RESULT 39 AR255958/c LOCUS

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PAT 17-DEC-2001
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Unclassified.
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Unclassified.
Waters, B., Miao, V., Ho, Y.Wai. and Tong, S.Kah.
Waters, B., Miao, V., Ho, Y.Wai. and Tong, S.Kah.
Method for isolation of biosynthesis genes for bioactive molecules
Patent: US 6297007-A 1 02-0CT-2001;
Location/Qualifiers
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Patent: JP 2002262811-A 3 17-SEP-2002;
VETERANS GENERAL HOSPITAL
OS Artificial Sequence
PD 17-SEP-2002
PP 28-FEB-2001
PP 28-FEB-2001
PP 28-FEB-2001
PP C 212N15/09, C07K14/47, C12N1/15, C12N1/19, C12N1/21, C12N5/10 PC
C12N15/09, C07K14/47, C13N1/15, C12N1/19, C12N1/21, C12N5/10 PC
C12P21/02, C12Q1/68,
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Location/Qualifiers
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N BD175122
BD175122.1 GI:29120816
JP 2002262971-A/3.
Synthetic construct
Synthetic construct
artificial sequences.
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    .20 coganism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630"

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Sequence 1 from patent US 6297007.
AR170934.1 GI:17909884
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                                                                                                                                  Unknown.
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                    RESULT 45
AR170934/c
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BD175122/c
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BD176245/c
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                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.

I (bases 1 to 20)

Simons,J.N., Pilot-Matias,T.J., Dawson,G.J., Schlauder,G.G.,

Desai,S.M., Leary,T.P., Muerhoff,A.S., Erker,J.C., Buijk,S.L. and

Mushahwar,I.K.

Non-a, non-b, non-c, non-c, non-d, non-e hepatitis reagents and
methods for their use

Patent: US 6720166-A 99 13-APR-2004;
                                                                                                                                  Gaps
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                                                                                              1.0%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 1.3e+02; rative 0; Mismatches 1; Indels
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1.0%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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I (bases 1 to 20)
Dean, N.M. and Cowsert, L.M.
Antisense modulation of daxx expression
Patent: US 6180353-A 109 30-JAN-2001;
Location/Qualifiers
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Patent: US 6670135-A 9 30-DEC-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                          Sequence 99 from patent US 6720166. AR494207
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/organism="unknown"
/wol_type="unassigned DNA"
                                                             /mol_type="genomic DNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="unknown"
/mol_type="genomic DNA"
                                   1. .20
/organism="unknown"
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Matches 16; Conservative
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AR126680/c
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Location/Qualifiers
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E40868.1 GI:18627445
JP 2000166574-A/57.
synthetic construct
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Matches 17; Conservative
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Matches 17; Conservative
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E40868/c
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: A61P13/12,A61P31/18,A61P37/06,C12N5/10,C12N15/02,C12N15/09, PC
   PAT 18-MAR-2003
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synthetic construct
synthetic construct
artificial sequences.

1 (bases 1 to 20)
Serizawa,N., Haruyama,H., Takahashi,W., Yoshida,H., Ichikawa,K.,
Okuma,J., Otesuki,M., Shiraishi,A. and Yonehara,S.
Drug containing anti-Fas antibody.
Patent: JP 2000163933-A 57 20-JUN-2000;
SANKYO CO LTD
OS Artificial Sequence
PN JP 2000163939-A/57
PD 20-JUN-2000
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PN JP 2000169393-A/57
PD 20-JUN-2000
PF 30-SEP-1999 JP 1999278301
PR PI NOBUKI SERIZAWA, HIDEYUKI HARUYAWA, WATARU TAKAHASHI, PI HIROKO YOSHIDA,
PI KIMHISA ICHIKAWA, JUN OKUMA, MASAHIKO OTSUKI, AKIO SHIRAISHI, SHIN YONEHARA
                                                                                                                                                                                                                                                                                                                          Key
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                                                                                                                                                         A method of arraying genome clone
Patent: WO 02072815-A 45 19-SEP-2002;
EIICHI SOEDA,TAKESHI KÜKITA
OS Artificial Sequence
PN WO 02072815-A/45
PD 19-SEP-2002
PF 11-MAY-2001 WO 2001JP004139
PR 12-MAR-2001 JP 01P 68285
PI EIICHI SOEDA
PC CI2N15/09,C12Q1/68
CC Description of Artificial Sequence: Synthetic DNA FH K
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/organism='Artificial Sequence'.
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/organism='Artificial Sequence'.
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
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/organism="synthetic construct"
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Drug containing anti-Fas antibody.
E40060
                  A method of arraying genome clone.
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                                              BD176245.1 GI:29121951
WO 02072815-A/45.
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synthetic construct
artificial sequences,
1 (bases 1 to 20)
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JP 2000169393-A/57.
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E40060/c
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TAGIPI3/12, AGIP31/18, AGIP37/06, C12N5/10, C12N15/02, C12N15/09, PC C12P21/08//
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Patent JP 2000169393-A 61 20-JUN-2000;
SANKYO CO LTD
SANKYO CO LTD
SANKYO CO LTD
PP 2000169393-A/61
PP 30-JUN-2000
PP 30-SEP-1999 JP 1999278301
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PI KIMIHISA ICHIKAWA, JUN OKUMA, MASAHIKO OTSUKI, AKIO SHIRAISHI,
SHIN YONEHARA
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A61P9/10,
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Location/Qualifiers
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                                                                                      1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 3;
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Pred. No. 1.4e+02;
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    .20
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|db_xref="taxon:32630"

    .20
    forganism="synthetic construct"
|mol_type="genomic DNA"
|db_xref="taxon:32630"

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Drug containing anti-Fas antibody.
E40064
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Humanized anti-Fas antibody.
E40868
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Indels
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JP 2000166573-A/57.
synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
Takhashi,W. Haruyama,H. and Serizawa,N. Humanized anti-Fas antibody
Patent: JP 2000166573-A 57 20-JUN-2000;
SANKYO CO LTD
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Humanized anti-Fas antibody.
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Humanized anti-Fas antibody.
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                        819 CTTCCTCTTCTGCCCAACAC 838
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JP 2000166573-A/57
20-JUN-2000
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E43414/c
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                                                                                                                                                                                                                  NOBUKI SERIZAWA,HIDEYUKI HARUYAMA,KAORI NAKAHARA,IKUKO TAMAKI CI2NIS/09,A61K39/00,A61K39/395,A61K39/395,A61B37/02,A61P43/00,C07K16/18,C12N1/21,C12N5/10,C12P21/08//(C12N1/21,C12R1:19),C12N15/00,PC
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C12N15/09,A61K39/00,A61K39/395,A61K39/395,A61P37/02,A61P43/00,
C07K16/18,
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artificial sequences.

Serizawa, N. Haruyama, H., Nakahara, K. and Tamaki, I. Humanized anti-Fas antibody
Datent: JP 2000166574-A 57 20-JUN-2000;
SANKYO CO LTD
OS Artificial Sequence
PD 20-JUN-2000
PF 29-SEP-1999 JP 1999275441
PR 29-SEP-1999 JP 1999275441
PR PR 20-SEP-1999 JP 1999275441
PR PR 29-SEP-1999 JP 1999275441
PR PR 20-SEP-1999 JP 1999275441
PR PR 20-SEP-1999 JP 1999275441
PR PR 20-SEP-1999 JP 1999275411
PR PR 20-SEP-1999 JP 1999275411
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synthetic construct
artificial sequences.

1 (bases 1 to 20)
Serizawa,N., Haruyama,H., Nakahara,K. and Tamaki,I.
Humanized anti-Fas antibody
Serizawa,N., 2000166574-A.61 20-JUN-2000;
SANKYO CO LTD
OS Artificial Sequence
FN 4D 2000166574-A.61
FP 29-SEP-1999 JP 1999275441
FR NOBUKI SERIZAWA,HIDEYUKI HARUYAWA,KAORI NAKAHARA,FP C CIZNIS/09,A61K39/00,A61K39/395,A61K39/395,A61F37/
FC CIZNIS/09,A61K39/00,A61K39/395,A61K39/395,A61F37/
FC CIZNIS/19, A01 CIZDF21/08//(CIZNI/21,CIZRI:19),
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Location/Qualifiers
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Location/Qualifiers
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.40+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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    /organism="synthetic construct"
    /mol type="genomic DNA"
    /db_xref="taxon:32630"
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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Best Local Similarity 85.09
Matches 17; Conservative
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E43418.1 GI:18627684

E43418.1 GI:18627684

Spitchetic construct
synthetic construct
artificial sequences.

I (Abases I to 20)

Passes I to 20)

Takahashi, W., Haruyama, H. and Serizawa, N.

Humanized anti-Fas antibody
L Patent: UP 2000166573-A 61 20-JUN-2000;
SANKYO CO LTD
OS Artificial Sequence
PN JP 2000166573-A/61
PD 20-JUN-2000
PP 29-SEP-1999 JP 1999275440
PR 29-SEP-1999 JP 1999275440
PR 29-SEP-1999 JP 1999275440
PR 29-SEP-1999 JP 1899275440
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DN JP 2000166573-A/57

PN JP 2000166573-A/57

PD 20-JUN-2000

PR 29-SEP-1999 JP 1999275440

PR WATARU TAKAHASHI, HIDBYUKI HARUYAMA, NOBUKI SERIZAWA PC

C12N15/09, A61K39/00, A61K39/00, A61K39/395, A61R39/395, A61P37/00, PC

C12N15/00, A61K37/02, C12N15/10, C12N15/00

PC C12R1:91),

PC C12R1:91),

PC C12R1:91),

PC C12R1:91,

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Location/Qualifiers
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AR307931
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              C07K16/28,C12N1/21,C12N5/10,C12N15/02,C12P21/08//(C12P21/08,
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1 (Dases I to 20)
2 Shang, H. and Wystt,J.
Antisense modulation of BH3 interacting domain death agonist
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                                                                          ce 1..20 /organism='Artificial Sequence'.
Location/Qualifiers
1..20 /organism="synthetic construct" /mol type="genomic DNA" /db_xref="taxon:32630"
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                          C12R1:91),
C12N15/00, A61K37/02, C12N5/00, C12N15/00
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ilarity 85.0%; Pred. No. 1.4e+02;
Conservative 0; Mismatches 3;
                                                               Location/Qualifiers
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Detection of allele - specific mutagens
Patent: US 5496699-A 20 05-MAR-1996;
Location/Qualifiers
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expression
Patent: US 6503754-A 22 07-JAN-2003;
Location/Qualifiers
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Sequence 20 from patent US 5496699.
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/organism="unknown"
/mol_type="genomic DNA"
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1 (bases 1 to 20)
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PC C07K1
PC C12R1
CC C12N1
CFH Key
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AR271778/c
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Griffais,R., Hoiseth,S.K., Zagursky,R.J., Metcalf,B.J., Peek,J.A., Sankaran,B. and Pletcher,L.D.
Chlamydia pneumoniae polymuclectides and uses thereof Patent: US 6559294-A 4685 06-MAY-2003;
Location/Qualifiers
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85.0%; Pred. No. 1.4e+02;
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85.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                               Antisense modulation of raidd expression
Patent: US 6551826-A 142 22-APR-2003;
Location/Qualifiers
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Sequence 142 from patent US 6551826.
AR307931
0; Mismatches
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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                                    903 TGCCCAGGCCCTGGGATGTG 922
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AR314148.1 GI:31707574
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synthetic construct
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Best Local Similarity 85.09
Matches 17; Conservative
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Watt, A.T.
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Gaps

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PAT 06-FEB-2002

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Weiner, G. and Hartmann, G. Methods for enhancing antibody-induced cell lysis and treating
                                                         Length 20;
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85.0%; Pred. No. 1.4e+02;
trive 0; Mismatches 3; Indels
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Patent: BP 127150-A 4 31-UUL-2002;
Veterans General Hospital (TW)
Location/Qualifiers
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UNIVERSITY OF IOWA RESEARCH FOUNDATION (US)
Location/Qualifiers
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"
                                                     1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 3;
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
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/mol type="unassigned DNA"
/db_xref="taxon:32630"
/noce="primer for PCR"
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Sequence 406 from Patent W00197843.
AX355378
AX355378.1 GI:18620046
   /mol_type="unassigned DNA"
/db_xref="taxon:32630"
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AX492927
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artificial sequences.
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Matches 17; Conservative
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AX355378/c
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Immunostimulatory nucleic acids
Patent: WO 0122972-A 448 05-APR-2001;
UNIVERSITY OF IOWA RESEARCH FOUNDATION (US); Coley Pharmaceutical
GmbH (DE)
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New vaccine formulations-3
Patent: NO 0071156-A 3 30-NOV-2000;
Onyvax Limited (GB)
                              Smith, P.O., Stevenson, D.O., Chana, H.O. and Thraves, P.O. New vaccine formulations - 2
Patent: WO 0071155-A 3 30-NOV-2000;
Onyvax Limited (GB)
Location/Qualifiers
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                                                                                                                                    /organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/noTe="PCR primer-PSAINTF Internal forward"
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85.0%; Pred. No. 1.4e+02;
ve 0; Mismatches 3; Indels
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/mol_type="unassigned DNA"
/db Arref="taxon:32630"
/noTe="PCR primer-PSAINTF Internal forward"
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/organism="synthetic construct"
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artificial sequences.
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artificial sequences.
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artificial sequences.
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Matches 17; Conservative
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AX104256/c
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AUTHORS
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JOURNAL
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AX048869
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AUTHORS
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PAT 26-SEP-2002

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RESULT 63
AX494234/c
LOCUS
DEFINITION
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SOURCE
ORGANISM

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REFERENCE

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FEATURES

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PAT 17-JUL-2003
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Method for displaying loops from immunoglobulin domains in different contexts
Algonomics N.V. (BE); Ablynx N.V. (BE)
Location/Qualifiers
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Method for displaying loops from immunoglobulin domains in different contexts
Patent: Wo 0305051-A 47 19-JUN-2003;
AlgoNomics N.V. (BE); Ablynx N.V. (BE)
Location/Qualifiers
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                                                 Detection of microorgantams using inducible genes
Patent: WO 02074991-A 27 26-SEP-2002;
Norchip A/S (NO)
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1.0%; Score 15.2; DB 1;
Best Local Similarity 83.3%; Pred. No. 1.4e+02;
Matches 15; Conservative 2; Mismatches 1;
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Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
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/organism="synthetic construct"
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/note="probe"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="FR4 A primer"
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Sequence 47 from Patent WO03050531.
AX785134
AX785134.1 GI:32952962
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Sequence 46 from Patent WO03050531.
AX785133
                                                                                                       Location/Qualifiers
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AUTHORS
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AX785133
                  REFERENCE
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KEYWORDS
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Methods for detecting, grading or monitoring an H. pylori infection
Patent: WO 02059379-A 10 01-AUG-2002;
EXACT SCIENCES CORP (US)
Location/Qualifiers
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85.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
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/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/noTe="Synthetic Sequence"
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                                                                     AX494234 20 bp
Sequence 10 from Patent WO02059379.
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synthetic construct
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Best Local Similarity 85.09
Matches 17; Conservative
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DEFINITION ACCESSION VERSION KEYWORDS

SOURCE ORGANISM

REFERENCE AUTHORS TITLE

RESULT 64 AX547309/c LOCUS

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FEATURES

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Gaps

DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 65 AX708702/c LOCUS

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A61P19/02, A61P29/00, A61P37/00, A61P37/06, A61P37/08, A61P43/00//
                                                                                                        A61K39/395, A61K38/00, A61P1/16, A61P7/06, A61P9/00, A61P9/10, PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A61P19/02, A61P29/00, A61P37/00, A61P37/06, A61P37/08, A61P43/00//
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                                                                                                                                                      C12N15/09,
A61K77/02,C12N15/00
Description of Artificial Sequence: Sequencing primer for DNA encoding
the heavy chain of a humanized anti-Fas antibody FH Key Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                C12N15/09,
A61K37/02,C12N15/00
Description of Artificial Sequence: Sequencing primer for DNA encoding the heavy chain of a humanized anti-Fas antibody FH Key Location/Qualifiers
                                                                       NOBUFUSA SERIZAWA, HIDEYUKI HARUYAMA, KAORI NAKAHARA, IKUKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              28-MAR-2001 JP 2001093106
NOBUFUSA SERIZAWA,HIDEYUKI HARUYAMA,KAORI NAKAHARA,IKUKO
                                                                                                                                                                                                                                                                          organism='Artificial Sequence'.
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Location/Qualifiers
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Drug containing humanized anti-Fas antibody.
BD090601
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synthetic construct
artificial sequences.
1 (bases 1 to 20)
Serizawa,N., Haruyama,H., Nakahara,K. and Ta
Drug containing humanized anti-Fas antibody
Patent: JP 2001342148-A 61 11-DEC-2001;
                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+02;
rative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                            1. .20
/organism="synthetic construct"
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     Artificial Sequence
JP 2001342148-A/57
11-DEC-2001
28-MAR-2001 JP 2001093106
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JP 2001342148-A/61
11-DEC-2001
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JP 2001342148-A/61.
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PD 1P 28-MA
PF 28-MA
PT NOBUF
PC A61R3
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PC A61R1
PC A61R1
PC A61R1
CC Descr
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PC C1
PC C1
PC D6
CC D6
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JP 2001321190-A/2411
20-N0V-2001
12-MAR-2001 JP 2001068285
EIICHI SOEDA
C12N15/09,C12N15/09,C12N1/00,C12Q1/68,G01N33/53,G01N33/566, PC
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Patent: JP 2001321190-A 2411 20-NOV-2001;
THE INSTITUTE OF PHYSICAL AND CHEMICAL RESEARCH, YUGENKAISHA
GENOTECHS
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                                                                                                     1.0%; Score 15.2; DB 1; Length 20; 83.3%; Pred. No. 1.4e+02;
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1 (bases 1 to 20)
Serizawa,N., Haruyama,H., Nakahara,K. and Tamaki,I. brug containing humanized anti-Fas antibody
Parent: JP 2001342148-A 57 11-DEC-2001;
                                                                                                                                      1; Indels
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Drug containing humanized anti-Fas antibody.
BD090597
1. .20
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db xref="taxon:32630"
/note="Exfor1 primer"
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/organism="synthetic construct"
/mol type="genomic DNA"
/db_xref="taxon:32630".
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                                                                                                                                      2; Mismatches
                                                                                                                                                                                                                                                                                                            clone.
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A method of arraying genome
BD090167
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                                                                                                                                                                     1450 GGCCAGGGAATCCAGGTC 1467
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JP 2001342148-A/57.
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synthetic construct
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synthetic construct
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                                                                                                                      Best Local Similarity
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BD090167/c
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1 (bases 1 to 17)
Akhtar,S., Fell,P. and McSwiggen,J.A.
Enzymatic nucleic acid treatment of diseases of conditions related to levels of epidermal growth factor receptors
Patent: US 6623962-A 144 23-SEP-2003;
Location/Qualifiers
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                   A61P17/00, A61P31/14, A61P31/18, A61P31/20, A61P37/00, A61P37/06, A61P37/08, 
                                                                                                                                                                                                                                        ce 1. .20 /organism='Artificial Sequence'
Location/Qualifiers
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.4e+02;
iive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                         1. .20
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/mol type="genomic DNA"
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    17
    organism="unknown"
    /mol_type="genomic DNA"

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Homo sapiens
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Matches 17; Conservative
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A61P13/12,
PC A61P1
PC A61P3
PC A61P4;
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AR401804/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OS Artificial Sequence
PN JP 2001342149-A/57
PN JP-E0C-2001
PP 11-EDE-2001
PP 2001342149-A/57
PD 11-EDE-2001
PF 20-MAR-2001
PP 30-MAR-2001
PP
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A61P43/00//C12N15/02,C12N15/00
Description of Artificial Sequence: Sequencing primer for a
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PN JP 2001342149-A/61
PD 11-DEC-2001
PF 28-MAR-201 JP 2001093243
PI WATART TAKAHASHI,HIDEYUKI HARUYAMA,NOBUFUSA SERIZAWA PC
A61K39/395,A61K39/395,A61P1/16,A61P7/06,A61P9/00,A61P9/10, PC
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the heavy chain of a humanized anti-Fas antibody FH
Location/Qualifiers
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1 (Dases 1 to 20)

Takahashi, W., Haruyama, H. and Serizawa, N.

Drug containing humanized anti-Fas antibody
Patent: UP 2001342149-A 61 11-DEC-2001;
SANKYO CO LTD
OS Artificial Sequence
PN JP 2001342149-A/61
PP 11-DEC-2001
PP 28-MAR-2001 JP 2001093243
PI WATARU TAKAHASHI, HIDESUKI HARUYAMA, NOBUFUS
                                                                                                                                                                                                                                     Drug containing humanized anti-Fas antibody.
BD090706
BD090706.1 GI:22636316
JP 201342149-A/57.
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                                                                                                                                                                                                                                                                                                                                                                                                                         synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 20)
Takahashi, W. Harutyama, H. and Serizawa, N.
Prog containing humanized anti-Fas antibody
Patent: JP 2001342149-A 57 11-DEC-2001;
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.4e+02;
Matches 17; Conservative 0; Mismatches 3;
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/organism="synthetic construct"
/mol_type="genomic DNA"
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                                       CTTCCTCTTCTGCCCAACAC 838
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JP 2001342149-A/61.
synthetic construct
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PAT 18-DEC-2003

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PAT 20-JUN-2003

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1. .17
/organism="unidentified"
/mol_type="genomic RNA"
/db_xref="taxon:32644"
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Best Local Similarity 100.03
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E25757/c
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KEYWORDS
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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100.0%; Pred. No. 1.1e+02;
tive 0; Mismatches 0; Indels
                                           Query Match 1.0%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.1e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Human gtp-activator protein for rab-like gtpase
Patent: WO 03033703-A 169 24-ARR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                               Human gtp-activator protein for rab-like gtpase Patent: WO 03033703-A 168 24-APR-2003, Amersham Biosciences (SV) Corp. (US) Location/Qualifiers
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                                                                                                                                                                                                          Sequence 168 from Patent WO03033703. AX750952
/mol_type="unassigned DNA"
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    .17
    forganism="Homo sapiens"
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                                                                                                       801 TTTCTCCAGCTACCT 815
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KEYWORDS
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AX750952
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By Method for the type classification of hepatitis B viruses and primer and probe to be used therein.

By 1992103889-A/14.

By 1993103889-A/14.

By 1993103889-A/14.

By Meakazu,M., Kazumasa,H., Kenichi,O. and Masashi,M.

Method for the type classification of hepatitis B viruses and primer and probe to be used therein.

Method for the type classification of hepatitis B viruses and primer and probe to be used therein.

Method for the 1990103898-A/14

By Rate 1999

By 30-SEP-1999

By 30-SEP-1999

By MASAKAZU MUKAIDE, KAZUMASA HIKIJI, KENICHI OBA, MASASHI MIZOUE PC
                                                                                                                      BD067304.1 GI:22612907

BD067304.1 GI:22612907

Unidentified

unidentified

unidentified

unidentified

unclassified.

I (bases 1 to 17)

BARLAT.S., Fell, P. and Mcswiggen, J.A.

Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors

Patent: JP 2001511003-A 144 O7-AUG-2001;

RIBOZYME PHARMACEUTICALS INC, ASTON UNIV

SO Unidentified

PP 14-ANN-1999 UP 1998532913

PR 31-JAN-1997 US 60/036476, 04-DEC-1997 US SAGHIR AKHTAR, PATRICIA FELL, JAMES A MCSWIGGEN PC CI2NS/00, COTX14/71

CC Strandedness: Single;

CC Topology: Linear;

CC Enzymatic nucleic acid treatment of diseases or conditions CC
Lourshar Inear PAT 27-AUG-2002 Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors.
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C12Q1/70,C12N15/09,G01N33/576,C12N15/00
Strandedness: Single;
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Enzymatic nucleic acid treatment of diseases or conditions related to
levels of epidermal growth factor receptors

Key

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Location/Qualifiers
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100.0%; Pred. No. 1.1e+02;
ative 0; Mismatches 0;
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PAT 18-JUN-2002

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Cowsert, L.M., Wyatt, J., Freier, S.M., Monia, B.P., Butler, M.M. and
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/organism="synthetic construct"
/mol type="unassigned DNA"
/db xref="taxon:32630"
/noTe="Antisense Oligonucleotide"
                                                                                                                                                                                                                                                                                                                                   Mckay, R.
Antisense modulation of ptplb expression
Patent: WO 0210378-A 174 07-FEB-2002;
ISIS PHARMACEUTICALS, INC. (US)
Location/Qualifiers
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Sequence 174 from Patent WO0210378.
AX418779
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synthetic construct
artificial sequences.
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                                           RESULT 81
AX418779/C
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AR257452
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AR300309
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1 (bases 1 to 20)
Cowsert,L.M., Wyatt,J., Monia,B.P., Butler,M.M. and McKay,R. Antisense modulation of PTP1B expression
Patent: US 6602857-A 174 05-AUG-2003;
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                                                                                                                                                                                                                                     Query Match
1.0%; Score 15; DB 1; Length 18;
Best Local Similarity 100.0%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 0; Indels
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/organism='Unidentified'.
Location/Qualifiers
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Unclassified.
Unclassified.
E 1 (bases 1 to 20)
S Wyatt., J. and Freier, S.M.
Antinsense modulation of Her-1 expression
Antinsense modulation of He
                         Location/Qualifiers
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Sequence 174 from patent US 6602857.
AR373782
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1. 20
/organism="unknown"
/mol_type="genomic DNA"

    .18
    /organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"

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Topology: Linear;
                                                                                                                                                                                                                                                                                                                                           261 AGGTTCCTTGAGCAG 275
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AR226108
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Query Match 1.0%; Score 15; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Worknown.
Unclassified.

B 1 (bases 1 to 18)

AS O'Malley,K.L. and Todd,R.D.

Gene encoding the rat dopamine D4 receptor
Gene encoding the rat dopamine D4 receptor
Gene encoding the rat dopamine D4 receptor
Gene in S 6486310-A 7 26-NOV-2002;
Location/Qualifiers
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Best Local Similarity 88.9%; Pred. No. 1.3e+02;
Matches 16; Conservative 0; Mismatches 2;
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Sequence 7 from patent US 6486310.
AR257452 AR257452.1 GI:27307463
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Unclassified.
1 (bases 1 to 19)
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Length 19;

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0.9%; Score 14.8; DB 1;
88.9%; Pred. No. 1.5e+02;
trive 0; Mismatches 2;
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Matches 16, Conservative
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                 Best Local Similarity
Matches 16; Conserv
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Patent: WO 9958556-A 18 18-NOV-1999;
FONDAZIONE TELETHON (IT); BALLABIO ANDREA (IT); CASARI GIORGIO (IT)
Location/Qualifiers
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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 Tournier-Lasserve, E., Joutel, A., Bousser, M.-G. and Bach, J.-F. Gene involved in cadasil, method of diagnosis and therapeutic application
Patent: US 6537775-A 111 25-MAR-2003;
Location/Qualifiers
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|mol type="unassigned DNA"
|baref="taxon:9606"
|noFe="Cyclin E ribozyme binding site"
                                                                                                                                           0.9%; Score 14.8; DB 1;
llarity 88.9%; Pred. No. 1.5e+02;
Conservative 0; Mismatches 2;
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Pred. No. 1.5e+02;
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/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="teaxon:32630"
/note="oligonucleotide"
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IMMUSOL, INC. (US)
Location/Qualifiers
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                                                                            1. .19 /organism="unknown" /mol_type="genomic DNA"
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1 Grccrgcrcrrcaagcag 18
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synthetic construct
artificial sequences.
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Best Local Similarity 88.9%;
Matches 16; Conservative
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AX131096/c
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ö ö ö PAT 25-NOV-2003 PAT 25-NOV-2003 Oreochromis niloticus (Nile tilapia)
Oreochromis niloticus
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii; Neopterygii; Teleostei; Buteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes;
Labroidei; Cichlidae; Oreochromis. Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Actinopterygii, Neopterygii, Teleostei, Euteleostei, Neoteleostei, Acanthomorpha, Acanthopterygii, Percomorpha, Perciformes; Labroidei, Cichlidae, Oreochromis. Gaps Gaps Gaps pattern Lie,Y., Slettan,A., Hoeyum,M. and Lingaas,F. Verification of food origin based on nucleic acid pattern .. ö .. 0 Length 19; Length 19; acid linear Indels linear Indels Lie, Y., Slettan, A., Hoeyum, M. and Lingaas, F. Verification of food origin based on nucleic 1. .19
/organism="Oreochromis niloticus"
/mol type="unassigned DNA"
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0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 1.5e+02;
Matches 16; Conservative 0; Mismatches 2; recognition Patent: WO 03060160-A 1154 24-JUL-2003; AX804986 19 bp DNA Sequence 1154 from Patent WO03060160. AX804986 recognition Patent: WO 03060160-A 1151 24-JUL-2003; AX804983 19 bp DNA Sequence 1151 from Patent WO03060160.

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Gape

SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL

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PAT 02-FEB-2004
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 2296 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 192524-A 2297 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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93.8%; Pred. No. 1.3e+02;
trive 0; Mismatches 1;
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CQ617557.1 GI:41667775
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     CQ617556.1 GI:41667774
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Matches 15; Conservative
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CQ617557/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Shannon,M.E.
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Myosin-like gene expressed in human heart and muscle-
Patent: WO 0192524-A 2293 06-DEC-2001;
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Patent: WO 0192524-A 2294 06-DEC-2001;
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                                                                                                                    CQ617553 17 bp DN Sequence 2293 from Patent WO0192524.

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    .17
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Location/Qualifiers
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Location/Qualifiers
CQ617553.1 GI:41667771
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Homo sapiens
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Homo sapiens
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Best Local Similarity
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CQ617554/c
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CQ617556/c
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CQ617553/c
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PAT 17-AUG-2003
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Unclassified.
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I bases I to 17)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566137-A 6124 20-MAY-2003;
Location/Qualifiers
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566177-A 1578 20-MAY-2003;
Location/Qualifiers
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                                                                                                                               Sequence 1578 from patent US 6566127. AR324176
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Sequence 2293 from patent US 6686188.
AR458616
AR458616.1 GI:42693673
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                                                                                                                                                                                       AR324176.1 GI:33709984
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                   122 GGACCCGACACATGGA 137
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Best Local Similarity 93.84
Matches 15; Conservative
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Best Local Similarity 93.85
Matches 15; Conservative
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AR458616/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 019524-A 6624 06-DBC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 6629 06-DEC-2001;
                                                                                                                                                    Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels
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6346398.
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Sequence 6629 from Patent WO0192524.
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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AR188323
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Location/Qualifiers
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Best Local Similarity 93.8
Matches 15; Conservative
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1 (bases 1 to 17)

2 (bases 1 to 17)

3 (bases 1 to 17)

4 (bases 1 to 17)

5 (bases 1 to 17)

6 (bases 1 to 17)

8 (bases 1 to 17)

9 (bases 1 to 17)
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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ive 0; Mismatches 1;
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93.8%; Pred. No. 1.3e+02;
tive 0; Mismatches 1;
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ative 0; Mismatches 1;
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Sequence 6624 from patent US 6686188.
AR462947
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Sequence 6629 from patent US 6686188.
AR462952
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Sequence 2297 from patent US 6686188.
AR458620 GI:42693677
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/organism="unknown"
/mol_type="genomic DNA"
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Best Local Similarity 93.8'
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Best Local Similarity 93.8
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               1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 2293 03-FEB-2004;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2294 03-FEB-2004; Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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/mol_type="genomic DNA"
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/wol_type="genomic DNA"
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/wol_type="genomic DNA"
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AR458619.1 GI:42693676
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AR458617.1 GI:42693674
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                                                                                                          Unclassified.

1 (Dases 1 to 17)

Gu, Y., Ji Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.

Shannon, M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 3203 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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/mol_type="unassigned RNA"
/mol_txpe="taxon:32630"
/note="Nucleic Acid"
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Patent: WO 0159103-A 3204 16-AUG-2001;
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Sequence 3204 from Patent WO0159103.
AX217762
AX217762.1 GI:15527823
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  AR462952.1 GI:42698009
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Secretory and transmembrane polypeptide and nucleic acid encoding
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                Gaps
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1 (bases 1 to 18)
Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US)
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Best Local Similarity 93.8%; Pred. No. 1.3e+02;
Matches 15; Conservative 0; Mismatches 1;
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Location/Qualifiers
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Sequence 711 from Patent WO03025175.
AX729077

    .17
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PN JP 2002526095-A/42
PP 20-AUG-2002
PP 05-OCT-1999 JP 2000574546
PR 06-OCT-1998 US 09/167109
PI BRENDA F BAKER, LEX M COWSERT, BRETT P MONIA, XIAOXING S XU IS C12N15/09, AGIX31/7105, AGIK48/00, AGIP29/00, AGIP35/04, C12N15/00 antisense sequence Location/Qualifiers
FH Key Location/Qualifiers
FT source //organism='Artificial Sequence'.
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Pred. No. 1.5e+02;
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JP 2002526095-A/129.
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Matches 15; Conservative
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C12N15/09,A61K45/00,A61P1/00,A61P13/12,A61P17/00,A61P17/06, PC
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C12N1/19,C12N1/21,C12N5/10//A61K38/00,A61K39/395,A61K39/395,
A61F43/00,
C12F21/08,(C12N1/19,C12R1:645),(C12N1/21,C12R1:19),(C12N5/10,
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: A61P25/16,A61P25/28,A61P31/12,A61P35/00,C07K14/47,C07K16/18,
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PC CONK19/00,

PC CI2N1/20, CL2N1/21, CL2N5/10//A61K38/00, A61K39/395, A61K39

PC CL2N2/00,

PC CL2N21/00, (CL2N1/19, CL2R1:645), (CL2N1/21, CL2R1:19), (CL2N1/21), (CL2N
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artificial sequences.
[ Loses 1 to 18]
Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
Patent: JP 2002256095-A 42 20-AUG-2002;
ISIS PHARMACEUTICALS INC
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60/066840 PI
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                                            60/059122, 17-28P-1997 US
60/059121, 17-58P-1997 US
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60/062814, 24-0CT-1997 US
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60/063132, 21-0CT-1997 US
60/066120, 21-NOV-1997 US
60/066120, 21-NOV-1997 US
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Antisense modulation of expression of treceptor-associated factor (TRAF).

    .18
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JP 2002526095-A/42.
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28-OCT-1997 US
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artificial sequences.

E 1 (bases 1 to 18)
S Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
Antisense modulation of expression of tumor necrosis factor
receptor-associated factor (TRAF)
L Patent: JP 2002526095-A 129 20-AUG-2002;
ISIS PHARMACEUTICALS INC
OS Artificial Sequence
DN JP 2002526095-A/129
PD 30-AUG-2002

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BD224994
Antisense modulation of expression of treceptor-associated factor (TRAF).
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Query Match 0.9
Best Local Similarity 93.8
Matches 15; Conservative
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                                                                        Unclassified.

1 (bases 1 to 18)

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2 (bases 1 to 18)

8 (barco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

8 (barco, P., McSwiggen, for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346399-A 4455 12-FEB-2002;
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Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
Patent: US 6399297-A 42 04-JUN-2002;
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Baker, B.F., Cowsert, L.M., Monia, B.P. and Xu, X.S.
Antisense modulation of expression of tumor necrosis factor receptor-associated factors (TRAFs)
Patent: US 6399297-A 129 04-JUN-2002;
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Sequence 42 from patent US 6399297.
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                                                                                                                                                                                                                                                                                                                                                                                                               Unclassified.

1 (bases 1 to 18)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 2168 20-MAY-2003;
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Patent: W0 02077272-A 1086 03-OCT-2002;
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/mol type="unassigned DNA"
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/noTe="Detection oligonucleotide for CSF1"
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rative 0; Mismatches 1;
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AR324766 GI:33710574
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CC Description of Artificial Sequence: Synthetic FH Key Location/Qualifiers
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Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
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JIAN ZHENG,
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.5e+02;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                        Patent: JP 2002223786-A 197 13-AUG-2002;
GENENTECH INC
OS Artificial Sequence
N JP 200223786-A/197
PD 13-AUG-2002
PF 18-DEC-2001 JP 2001385135
PR 17-SEP-1997 US 60/059115,17-SEP-
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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60/064809,12-NOV-1997
60/065846,18-NOV-1997
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60/066453,25-NOV-1997
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JP 2002223786-A/197.
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synthetic construct
artificial sequences.
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  RESULT 115
BD172424
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                                                  18 bp DNA linear PAT 27-AUG-2002 and transmembrane polypeptide and nucleic acid encoding
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C12N15/09,C07K14/47,C07K14/705,C07K16/18,C07K16/28,C07K19/00,
C12N1/19,
                                                                                                                                                                                                     synthetic construct
synthetic construct
artificial sequences.
1 (bass 1 to 18)
Wood,W.I., Gurney,A.L., Goddard,A., Penica,D., Chen,J. and Yuan,J.
Secretory and transmembrane polypeptide and nucleic acid encoding
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Description of Artificial Sequence: Synthetic
Location/Qualifiers
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llarity 93.8%; Pred. No. 1.5e+02;
Conservative 0; Mismatches 1;
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GENEWIPCH INC

OS Artificial Sequence

PN JP 2001516580-A/197

PD 02-OCT-2001

PD 16-SEP-199 JP 2000511867

PR 17-SEP-1997 US 60/059115,17-SEP-
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/mol_type="genomic DNA"
/db_xref="taxon:32630"
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60/059113,17-SEP-1997
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Best Local Similarity
Matches 15; Conserv
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RESULT 114
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1467 CAGCCTGTACTGCCAG 1482
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BD173062
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Secreted and transmembrane polypeptides and nucleic acids encoding
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oc C12P21/02//C12P21/08, (C12N1/19,C12R1:645), (C12N1/21,C12R1:19),
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the same
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C12N15/09,C07K14/47,C07K16/18,C07K19/00,C12N1/19,C12N1/21, PC
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1 (bases 1 to 18)
Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
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60/059121 PR
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Location/Qualifiers
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60/059113,17-SEP-1997 US
60/059119,18-SEP-1997 US
60/059266,15-0CT-1997 US
60/062287,17-0CT-1997 US
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/organism="synthetic construct"
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/db_xref="taxon:32630"
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GENENTECH INC

OS Artificial Sequence

PN JP 2002238586-A/197

PD 27-AUG-2002

PP 18-DEC-2001 JP 2001385205

PR 17-SEP-1997 US 60/059115,17-SEP-
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JP 2002238586-A/197.
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synthetic construct
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PD 27-AUG-2002
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PR 17-SEP-1997
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BD173062 18 bp DNA linear PAT 18-FEB-2003
Secreted and transmembrane polypeptides and nucleic acids encoding
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Secreted and transmembrane polypeptides and nucleic acids encoding
the same
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C12N15/09, C07K14/47, C07K16/18, C12N1/19, C12N1/21, C12N5/10,
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1 (bases 1 to 18)
Wood,W.I., Gurney,A.L., Goddard,A., Pennica,D., Zheng,J. and
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60/059263
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60/062885
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60/063128
60/063327
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Location/Qualifiers
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/organism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"
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GENENTECH INC
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18-DEC-2001 JP 2001385248
17-SEP-1997 US 60/05911
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JP 2002238587-A/197
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JP 2002238587-A/197.
synthetic construct
synthetic construct
                      18
CAGCATGTACTGCCAG
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Best Local Similarity
Matches 15; Conserv
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BD173062
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PC
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS JOURNAL

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DEFINITION

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BD173381

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PAT 10-JAN-2003
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                                                                                                                                                                                    PAT 15-MAY-2001
                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
                                                                                                                                                                                                                                                                                                                                                                                                                                                Robbins,J.M. and Tritz,R.
Ribozyme therapy for the treatment of proliferative skin and eye
diseases
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Nucleotide carrier for diagnosing and treating oral diseases
Patent: WO 02072883-A 44 19-SEP-2002;
ROETGER, Antje (DE)
Location/Qualifiers
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Actinomyces odontolyticus
Bacteria, Actinobacteria, Actinobacteridae, Actinomycetales,
Actinomycinese, Actinomycetaceae, Actinomyces.
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|mol_type="unassigned DNA"
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|noTe="Cdc25 hs ribozyme binding site"
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/organism="Actinomyces odontolyticus"
/mol_type="unassigned DNA"
/db_xref="taxon:1660"
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                    DNA
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IMMUSOL, INC. (US)
Location/Qualifiers
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Sequence 3563 from Patent WO0130362.
AX132345
AX132345.1 GI:14138650
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Sequence 44 from Patent W002072883.
AX587022
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1467 CAGCCTGTACTGCCAG 1482
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                                                 3 cágcargrácigocago 18
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ORGANISM
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BD200566/c
LOCUS
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AX132345/c
LOCUS
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AX587022
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AUTHORS
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PC C12P21/02//C12P21/08,(C12N1/19,C12R1:645),(C12N1/21,C12R1:19),
PC C12N5/10,C12R1:91),C12N15/00,C12N5/00,(C12N5/00,C12R1:91) CC
Description of Artificial Sequence: Synthetic FH Key
Location/Qualifiers 1..18
FT Bource 1..18
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Secreted and transmembrane polypeptides and nucleic acids encoding
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CIZNIS/09, C07K14/435, C07K16/18, C07K19/00, C12N1/19, C12N1/21, PC
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GENENTECH INC
OS Artificial Sequence
Pt 18-DEC-2001 JP 2001385315
Pt 18-DEC-2001 JP 2001385315
Pt 18-DEC-2001 JP 2001385315
Pt 17-SEP-1997 US 60/059112,17-SEP-1997 US 60/059121 PR 17-SEP-1997 US 60/059121,17-SEP-1997 US 60/059121 PR 17-SEP-1997 US 60/059121,17-SEP-1997 US 60/059121 PR 17-SEP-1997 US 60/059121 PR 60/059121 PR 17-SEP-1997 US 60/059121 JR-SEP-1997 US 60/059121 PR 17-OCT-1997 US 60/059121 PR 60/059129 US 60/059129 
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                                                                                                                                                                                                                                                                                                                                               synthetic construct
synthetic construct
artificial sequences.
1 (bases 1 to 18)
Wood, W.I., Gurney, A.L., Goddard, A., Pennica, D., Zheng, J. and
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/organism='Artificial Sequence'
Location/Qualifiers
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0.9%; Score 14.4; DB 1; Length 18;
Best Local Similarity 93.8%; Pred. No. 1.5e+02;
Matches 15; Conservative 0; Mismatches 1; Indels

    .18
    forganism="synthetic construct"
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|db_xref="taxon:32630"

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JP 2002238588-A/197.
  1467 CAGCCTGTACTGCCAG 1482
                           3 CAGCATGTACTGCCAG 18
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17 bp DN Sequence 166 from Patent W003033703. AX750950
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                                                                                                                                                                                                                                                                                                                                                                          /mol_type="unassigned RNA"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
                                                                                                                                                                                                                                                                                                                              Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                              /organism="unknown"
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100.0%; Pre-
                                                                                                                                                       AR328724.1 GI:33714532
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2 GGCCGCCTCTGTG 15
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Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                        Unknown.
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AX750950
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                                                                     RESULT 123
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VERSION
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                                                                                                              Eukaryotta; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1. (bases 1 to 17)

8 Pavco, P.A.; Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A.
Method and reagent for treating diseases or conditions concerning
molecule participating in vasculogenic response

Notecul: JP 2002569721-A 3592 02-APR-2002;

RIBOZYME PHARMACEUTICALS INC
OS Homo sapiens (human)

PR 24-MAR-1999 JP 2000541291

PR 27-MAR-1999 US 60/079678

PI PAMBIA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
PI JAMES A MCSWIGGEN

PC 212N15/09, A61X31/7088, A61X31/7125, A61X48/00, A61P3/10, A61P17/06, PC
                                                                                                                                                                                                                                                                                                                                                                                                                       72) vv.
A61P35/00, A61P43/00, C12N5/10, C12N9/00//A61K35/76, C12N15/00, PC
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Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response. BD200566 GI:33010336
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Unclassified.
In (bases 1 to 17)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 6125 20-MAY-2003;
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00.0%; Pred. No. 1.6e+02;
ve 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.68+02;
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Key Location/Qualifiers
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6566127.
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/organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/organism="unknown"
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AR328723.1 GI:33714531
                                                                 JP 2002509721-A/3592.
Homo sapiens (human)
Homo sapiens
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Best Local Similarity 100.0
Matches 14; Conservative
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Best Local Similarity 100.
Matches 14; Conservative
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PC A61P35
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                  Unclassified.

1 (bases 1 to 17)

Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 6126 20-MAY-2003;
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    linear
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00.0%; Pred. No. 1.6e+02;
ve 0; Mismatches 0; Indels
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Patent: WO 03033703-A 166 24-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
AR328724 17 bp RNA Sequence 6126 from patent US 6566127.
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Homo sapiens
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Query Match 0.9%; Score 14; DB 1; Length 18; Best Local Similarity 100.0%; Pred. No. 1.8e+02; Matches 14; Conservative 0; Mismatches 0; Indels
 /organism="unknown"
/mol_type="unassigned DNA"
                                                                                                           1548 ATCTTGGTCCTGCC 1561
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Unclassified.

1 (bases 1 to 18)

Bauer, S.Christopher., Abrams, M.Allen., Braford-Goldberg, S.Ruth.,
Caparon, M.Helena., Easton, A.Michael., Klein, B.Kure.,
McKearn, J.Patrick., Olins, P., Paik, K., Polazzi, J. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Interleukin-3 (IL-3) mutant polypeptides and their recombinant
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Bauer, S.C., Abrams, M.A., Braford-Goldberg, S.R., Caparon, M.H.,
Baston, A.M., Klein, B.K., McKearn, J.P., Olins, P., Paik, K.,
Bolazzi, J. and Thomas, J.W.
Methods of using interleukin-3 (IL-3) mutant polypeptides for ex-vivo expansion of hematopoietic stem cells
Location/Qualifiers
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                                                           Human gtp-activator protein for rab-like gtpase
Patent: WO 03033703-A 170 24-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Patent: US 5677149-A 283 14-OCT-1997;
Location/Qualifiers
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Sequence 283 from patent US 6479261.
AR253611.
AR253611.1 GI:27302039
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Sequence 283 from patent US 5677149.
169013
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U.95; C.2.

Best Local Similarity 100.08; Pred. No. 1.8

Best Local Similarity 0, Mismatches

    17
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/db_xref="taxon:9606"

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/organism="unknown"
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                                                Zhang, J.
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PAT 31-MAR-2003
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1 (bases 1 to 17)

Ryals,J.A., Alexander,D.C., Goodman,R.M. and Stinson,J.R.

Chemically regulatable and anti-pathogenic DNA sequences and uses
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                    Bauer, S.C., Abrams, M.A., Braford-Goldberg, S.R., Caparon, M.H., Baston, A.M., Klein, B.K., Mckearn, J.P., Olins, P.O., Paik, K., Polazzi, J.O. and Thomas, J.W. Interleukin. 3 (i.1-3) mutant polypeptides Patent: Ep. 1283.264-A. 283 12-FEB-2003; G.D. SEARLE & CO. (US) Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
iive 0; Mismatches 2;
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100.0%; Pred. No. 1.8e+02;
tive 0; Mismatches 0;
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18 bp I
Sequence 283 from Patent EP1283264.
AX696666
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Sequence 97 from patent US 5777200.
AR016864.1 GI:3973141
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                                                                                                                                                                                                                                                                                                                                                     /organism="unidentified"
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PAT 29-SEP-1999
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Ryals J.A. and Harms, C.
Process for isolating chemically regulatable DNA sequences
Patent: US 5821766-A 97 22-DEC-1998;
Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
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88.2%; Pred. No. 1.7e+02;
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Ryals,J.A., Moyer,M.B., Payne,G.B. and Ward,E.R. DNA encoding .beta.-1,3-glucanases
Patent: US 5847258-A 97 08-DEC-1998;
Location/Qualifiers
                                                           0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
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Sequence 97 from patent US 5847258.
AR064642
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AR067567
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Best Local Similarity 88.2
Matches 15; Conservative
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AR064642/c
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2. (Baffney, T.D., Ryals,J.A., Friedrich,L.B., Uknes,S.J., Ward,B.R., Kessmann,H. and Vernooij,B.T.
Chemically regulatable and anti-pathogenic DNA sequences and uses
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Ryals, J.A., Alexander, D.C., Goodman, R.M. and Ward, E.R. Method of protecting plants from comycete pathogens
Patent: US 5856154-A 97 05-JAN-1999;
Location/Qualifiers
                                                                                                                                                    1 (bases 1 to 17)
Ryals, J.A., Friedrich, L.B., Uknes, S.J. and Ward, E.R.
Method of inducing gene transcription in a plant
Patent: 18 5789214-A 97 04-AUG-1998;
Location/Qualifiers
                                                                                                                                                                                                                                                                                             Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.7e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2;
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/organism="unknown"
/wol_type="unassigned DNA"
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Location/Qualifiers
                             AR020890 17 bp 1
Sequence 97 from patent US 5789214.
AR020890
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Sequence 97 from patent US 5856154.
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/organism="unknown"
/wol_type="unassigned DNA"
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AR038500/c
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Regulation of repressor genes using nucleic acid molecules FH
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A61K37/02,
  (C12P21/02, C12R1:91), (C12P21/02, C12R1:91), C12N15/00, C12N5/00,
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PN JP 2002541795-A/2677
PD 10-DEC-2002
PF 11-APR-1999 US 60/129390
PI LAWRENCE BLAIT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN 8 (212P21/02, PC 12P21/02, PC 
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Regulation of repressor genes using nucleic acid molecules.
BD254884
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Patent: JP 2002541795-A 2677 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
                                                                                                                                                        organism='Eukaryote'
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Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
iive 0; Mismatches 2;
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Pred. No. 1.7e+02;
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    .17
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(C12N5/00,C12R1:91)
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JP 2002541795-A/2677.
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27-WAR-1998 W 60/079678
PAMELA A PAVOC, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT,
JAMES A MCSWIGGEN
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C12R1:91),
                                                                                                                                                   Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1 (base 1 to 17)
2 (base 1 to 17)
3 Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response Patent: JP 2002509721-A 2082 02-APR-2002; RIBOZYME PHARMACEUTICALS INC
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PN JP 2002509721-A/2082
PD 02-ARR-19002
PP 24-ARR-1999 JP 2000541291
PR 27-MAR-1999 US 60/079678
PI PAMELA A PAVCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHO
PC CI2NIS/09, A61K31/7088, A61K31/7125, A61K48/00, A61P3/10, A61P17/06,
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BN JP 2002541795-A/2491

PD 10-DEC-2002

PF 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT,MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN 1

C12N15/09, A61K38/00, A61K48/00, A61P43/00, C12N5/10, PC C12P21/02,
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
Blatt, L., 2wick, M., Pavco, P. and Mcswiggen, J.
Begulation of represent genes using nucleic acid molecules
Patent: JP 2002541795-A 2491 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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88.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 2; Indel8
molecule participating in vasculogenic response.
BD199056
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                                                  BD199056.1 GI:33008826
JP 2002509721-A/2082.
Homo sapiens (human)
Homo sapiens
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JP 2002541795-A/2491.
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PC A61P35
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    17 /organism="Homo sapiens"
/mol_type="unassigned DNA"

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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Location/Qualifiers
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Location/Qualifiers
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Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15, Conservative
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Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.

Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.

Regulation of repressor genes using nucleic acid molecules

Patent: JP 2002541795-A 7177 10-DEC-2002;

RIBOZYME PHARMACEUTICALS INC

OS BURKaryote

PD 10-DEC-2002

PP 11-APR-2000 JP 2000611654

PR 12-APR-1999 US 60/129390

PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC

C12N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10,PC

C12P21/02,

C12P21/02,

C12P21/02,C12P21/02/A61K31/711,(C12N5/10,C12R1:91),(C12P21/02,PC
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1 (bases 1 to 17)
Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Regulation of repressor genes using nucleic acid molecules
Regulation of repressor genes using nucleic acid molecules
Bukaryote
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PN 12-002541795-A/7178
PP 11-APR-2000 JP 2000611654
PP 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 66/123390
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Regulation of repressor genes using nucleic acid molecules.
BD259385
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|C12P21/02,C12R1:91),(C12P21/02,C12R1:91),C12N15/00,C12N5/00,
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  Regulation of repressor genes using nucleic acid molecules.
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(C12N5/00,C12R1:91)
                                                   BD259384.1 GI:33069154 JP 2002541795-A/7177.
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JP 2002541795-A/7178.
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PC (C12P2
PC A61K37
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
(C12N5/00,C12R1:91)
Regulation of repressor genes using nucleic acid molecules Location/Qualifiers
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Shannon,M.E.
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Wyosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 1536 06-DEC-2001;
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Patent: WO 0192524-A 931 06-DEC-2001;
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2; Indels
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                                                                                                       organism='Eukaryote'.
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Sequence 1536 from Patent WO0192524.
CQ616796
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PAT 02-FEB-2004

linear

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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 192534-A 2292 06-DEC-2001;
Aeomica, Inc. (105)
Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 2;
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
                                                                Sequence 2291 from Patent W00192524.
CQ617551
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Sequence 2292 from Patent W00192524.
CQ617552.
CQ617552.1 GI:41667770
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Sequence 2295 from Patent W00192524.
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Thea 15, Conservative
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Best Local Similarity 88.23
Matches 15; Conservative
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CQ617555/c
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Eukaryotas Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Shannon,M.E.
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Patent: WO 0192524-A 1647 06-DEC-2001;
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Patent: WO 0192524-A 2290 06-DEC-2001;
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                                 Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.7e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 88.2%; Pred. No. 1.7e+02;
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                                                                                                                                                                                                                              Sequence 1647 from Patent W00192524. CQ616907

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Best Local Similarity 88.21
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Query Match 0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Inc. (US)
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo
                                   Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 2298 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 2299 06-DEC-2001;
                                                                                 Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192534-A 2295 06-DEC-2001;
Aeomica, Inc. (US)
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Sequence 2298 from Patent WO0192524.
CQ617558.1 GI:41667776
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 2300 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle Patent: WO 10524-A 6916 06-DEC-2001;
Aeomica, Inc. (908)
Location/Qualifiers
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ative 0; Mismatches 2; Indels
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Sequence 2300 from Patent WO0192524.
CQ617560
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

/organism="Homo sapiens"
/mol_type="unassigned DNA"
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Location/Qualifiers
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Matches

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REFERENCE AUTHORS

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TITLE

RESULT 151 CQ624284/c LOCUS

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Unclassified.
1 (bases 1 to 17)
Manos, M.Michele., Bauer, H.M., Greer, C.E., Resnick, R.M. and Ting, Y.
Manos, M.Michele., Bauer, H.M., Greer, C.E., Resnick, R.M. and Ting, Y.
Detection of human papillomavirus by the polymerase chain reaction
Patent: US 5447839-A 25 05-SEP-1995;
Location/Qualifiers
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 PAT 02-FEB-2004
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1 (bases 1 to 17)

Bauer,H.M., Gravitt,P.E., Greer,C.E., Manos,M.Michele.,
Resnick,R.M. and Danay,T.Y.
Detection of human papillomavirus by the polymerase chain reaction
Patent: US 5527898-A 174 18-JUN-1996,
                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                              Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Patent: WO 0192524-A 10674 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2;
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ilarity 88.2%; Pred. No. 1.7e+02;
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 CQ625934 17 bp DNA Sequence 10674 from Patent WO0192524.
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Sequence 174 from patent US 5527898.
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122686.1 GI:1603040
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Sequence 25 from patent US 5447839.
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/organism="unknown"
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/organism="Homo sapiens"
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                                   CQ625934.1 GI:41676152
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9024 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 10673 06-DEC-2001;
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Pred. No. 1.7e+02;
0; Mismatches 2; Indels
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2;
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Sequence 10673 from Patent W00192524.
CQ625933
CQ625933.1 GI:41676151
                                                                                                                                                                 DNA
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Sequence 9024 from Patent WO0192524.

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   Mismatches
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CQ624284.1 GI:41674502
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Matches 15; Conservative
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE

ORGANISM

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RESULT 152 CQ625933/c LOCUS

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1 (Dases 1 to 17)
Ryals,J.A., Beck,J.J. and Friedrich,L.B.
Ryals,J.A., beck,J.J. and Friedrich,L.B.
Chemically inducible promoter of a cucumber chitinase/lysozyme gene
Patent: US 5654114-A 97 05-AUG-1997;
Location/Qualifiers
                                                                         PAT 07-OCT-1997
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                                                                                                                                                                       Unclassified.
Unclassified.
I (bases 1 to 17)
Ryals J.A., Alexander, D.C., Beck, J.J., Duesing, J.H., Goodman, R.M., Friedrich, L.B., Harms, C., Meins, F. Jr., Montoya, A. deceased, Moyer, M.B., Neuhaus, J.-M., Payne, G.B., Sperisen, C., Stinson, J.R., Uknes, S.J., Ward, E.R. and Williams, S.C.
Chemically regulatable and anti-pathogenic DNA sequences and uses thereof
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                                                                                      Sequence 97 from patent US 5650505.
156994
156994.1 GI:2477407
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Sequence 97 from patent US 5654414.
I59860.
I59860.1 GI:2478492
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Bauer, H.M., Gravitt, P.E., Greer, C.E., Impraim, C.C.,
Manos, M. Michele., Resnick, R.M. and Zhang, T.Yi.
Detection of human papillomavirus by the polymerase chain reaction
Patent: US 5639871-A 174 17-JUN-1997;
Location/Qualifiers
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Kyals, J.A., Alexander, D.C., Beck, J.J., Duesing, J.H., Goodman, R.M.,

Friedrich, L.B., Harms, C., Meins, F. Jr., Montoya, A. deceased,

Moyer, M.B., Neuhaus, J.M., Payne, G.B., Sperisen, C., Stinson, J.R.,

Wines, S.J., Ward, E.R. and Williams, S.C.

Chemically regulatable and anti-pathogenic DNA sequences and uses

thereof
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                                                                                  Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.7e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.7e+02;
Live 0; Mismatches 2; Indels
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Sequence 174 from patent US 5639871.
147511
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138519
138519.1 GI:2084573
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Location/Qualifiers
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PAT 26-SEP-2002

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Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

2 wCvo,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.

Method and reagent for the treatment of diseases or conditions

related to levels of vascular endothelial growth factor receptor
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1 (bases 1 to 17)
Beigelman, L., Burgin, A., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Synthetic ribonucleic acids with RNAse activity Patent: US 6528640-A 769 04-MAR-2003;
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
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Ward, D.T. and Cowsert, L.M.
Antisense modulation of RIP2 expression
Patent: US 6426221-A 4 30-JUL-2002;
Location/Qualifiers
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/organism="unknown"
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                                                            Sequence 4 from patent US 6426221.
AR221454
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/organism="unknown"
/mol_type="genomic DNA"
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Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6446398-A 4178 12-FEB-2002;
Location/Qualifiers
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Pavco,P., McSwiggen,J., Stinchcomb,D. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 7674 12-FEB-2002;
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Ryals, J.A., Friedrich, L.B., Uknes, S.J. and Ward, E.R. Chemically inducible promoter of a plant PR-1 gene Patent: US 5689044-A 97 18-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred; No. 1.7e+02;
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AR192186
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/organism="unknown"
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/organism="unknown"
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/organism="unknown"
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1 (bases 1 to 17)
Meins, F. Jr., Shinshi, H., Wenzler, H.C., Hofsteenge, J., Ryals, J.A. and Sperisen, C.
DNA sequences encoding polypeptides having beta-1, 3-glucanase
                                                                                                                                                                         1 (bases 1 to 17)
Beigelman, L., Burgin, A.B., Beaudry, A., Karpeisky, A., Matulio-Adamic, J., Sweedler, D. and Zinnen, S. Oligoribonucleotides with enzymatic activity Patent: Use 6617438-A 768 09-SEP-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                 Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.7e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Gu,Y. and Shannon,M.E.
Isoforms of human pregnancy-associated protein-E
Patent: US 6656700-A 760 02-DEC-2003;
                                17 bp R
Sequence 768 from patent US 6617438.
AR398387.1 GI:40136158
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Location/Qualifiers
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Sequence 760 from patent US 6656700.
AR434337
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Sequence 97 from patent US 6632981.
AR409735.
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/mol_type="unassigned RNA"
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/organism="unknown"
/mol_type="genomic DNA"
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 3459 20-MAY-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 (bases 1 to 17)
Houck, C.M., Pear, J.R., Martineau, B.M. and Hiatt, W.
Compositions and methods for modulation of endogenous cytokinin levels
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88.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 2; Indels
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0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Patent: US 6566127-A 1945 20-MAY-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                        AR326057 17 bp RNA Sequence 3459 from patent US 6566127.

    .17
    /organism="unknown"
    /mol_type="unassigned RNA"

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/mol_type="unassigned RNA"
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Location/Qualifiers
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Sequence 2 from patent US 5177307.
AR362605
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/organism="unknown"
/mol_type="genomic DNA"
                                                                                                                                                                      282 GGAGCCATCCCTGGGGA 298
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AR326057.1 GI:33711865
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                                                                                                                                                                                             1 GGAGCAATCCCTGTGGA 17
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Best Local Similarity 88.21
Matches 15; Conservative
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AR326057/c
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RESULT 171

AR434338

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PAT 20-FEB-2004
                   PAT 20-FEB-2004
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1 (bases 1 to 17)

1 (bases 1 to 17)

Shannon, M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686189-A 1647 003-FEB-2004;
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(Dases 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed
                                                                                                                                                                                                 Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668138-A 1536 03-FEB-2004; Location/Qualifiers
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                                                                                                                                          1 (bases 1 to 17) \mbox{Gu,Y.,}\ Ji.Y.,\ Penn,S.G.,\ Hanzel,D.K.,\ Rank,D.R.,\ Chen,W.\ and Shannon,M.E.
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2;
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88.2%; Pred. No. 1.7e+02;
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                 AR457859 17 bp DNA Sequence 1536 from patent US 6686188.
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Sequence 1647 from patent US 6686188.
AR457970 GI:42693027
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/organism="unknown"
/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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AR457859.1 GI:42692916
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AR458613/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 931 03-FEB-2004;

Location/Qualifiers
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0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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Gu,Y. and Shannon,M.E.
1soforms of human pregnancy-associated protein-E
Patent: US 655700-A 761 02-DEC-2003;
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Sequence 931 from patent US 6686188.
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Sequence 761 from patent US 6656700.
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/organism="unknown"
/mol_type="genomic DNA"
                    1. .17
/organism="unknown"
/mol_type="genomic DNA"
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|| || || || || || || || || || 1
1 TGGTCTGCCCATCACTC 17
                                                                                                                                                      823 CTCTTCTGCCCAACACT 839
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AR457254.1 GI:42692311
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RESULT 173

DEFINITION

AR457254 LOCUS

ACCESSION VERSION KEYWORDS

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ORGANISM

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PAT 20-FEB-2004
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                                                                                                                                                                                                                                                                       Polymuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2295 03-FEB-2004; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2298 03-FEB-2004; Location/Qualifiers
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                                                                                                                                                                                                                           Unclassified.
1 (bases 1 to 17)
GL, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
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Best Local Similarity 88.2%; Pred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                         AR458618 17 bp DNA
Sequence 2295 from patent US 6686188.
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Sequence 2299 from patent US 6686188.
AR458622
AR458622.1 GI:42693679
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 2298 from patent US 6686188. AR458621
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AR458618.1 GI:42693675
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        17 GGCTGTGGGCCATGGAC 1
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Best Local Similarity 88.2
Matches 15, Conservative
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AR458618/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2291 03-FEB-2004;

Location/Qualifiers
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1 (bases 1 to 17)

Gu,Y., JiY., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: 105 668188-A 2222 03-FEB-2004;
Location/Qualifiers
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predominantly in heart and muscle
Patent: US 6686188-A 2290 03-FEB-2004;
Location/Qualifiers
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Sequence 2292 from patent US 6686188.
AR458615
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Sequence 2291 from patent US 6686188.
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
                                                                      /organism="unknown"
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                                                                                                                                                                                                                                                                                  1 (bases 1 to 17) Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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88.2%; Pred. No. 1.7e+02;
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Sequence 10673 from patent US 668618B.
AR466996.1 GI:42702053
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Sequence 9024 from patent US 6686188.
AR465347
AR465347.1 GI:42700404
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/mol_type="genomic DNA"

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    /organism="unknown"
    /mol_type="genomic DNA"

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Best Local Similarity 88.2
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1 (bases 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 668188-A 2300 03-FEB-2004;
Location/Qualifiers
1 (bases 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2299 03-FEB-2004;

Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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1 Similarity 88.2%; Pred. No. 1.7e+02;
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88.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 2;
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Sequence 2300 from patent US 6686188.
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6686188.
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Patent: US 6686188-A 6916 03-FEB-2004;
Location/Qualifiers
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/organism="unknown"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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AR63239
AR463239.1 GI:42698296
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AR463239/c
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                                                                                                      Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 10674 03-FEB-2004; Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Blatt,L., Mcswiggen,J. and Chowrira,B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 79 16-AUG-2001;
RIBOZYMS PHRAMACHUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 739 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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88.2%; Pred. No. 1.7e+02;
ve 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
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/organism="synthetic construct"
/mol type="unassigned RNA"
/db_xref="taxon:32630"
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Sequence 79 from Patent WO0159103.
                                                                                                                                                                                 /organism="unknown"
/wol_type="genomic DNA"
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                                                                                                                                                                                                                                                                                          1259 GGGTAGCCATGCTGGGT 1275
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AX214637.1 GI:15524680
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artificial sequences.
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Best Local Similarity 88.2
Matches 15; Conservative
                                            Unclassified.
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Unknown.
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 1164 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
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/mol type="unassigned RNA"
/mol type="unassigned RNA"
/note="Nucleic Acid"
                                             1. .17
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/mol_type="unassigned RNA"
/db_xref="texon:32630"
/noTe="Nucleic Acid"
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/mol type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
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Sequence 1164 from Patent WO0159103.
AX215722. GI:15525765
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PAT 18-JUN-2002
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 515 22-NOV-2001;
PRIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
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Randi,A.M.
Method and reagent for the inhibition of erg
Patent: WO 0188124-A 1790 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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88.2%; Pred. No. 1.7e+02;
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Sequence 1790 from Patent WO0188124.
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Sequence 535 from Patent WO0188124.
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Sequence 422 from Patent EP1239051.
AX530913
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/db_xref="taxon:9606"
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AX423454/c
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RESULT 192
AX422199/C
LOCUS
DEFINITION
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VERSION
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of grid
Patent: WO 0162911-A 244 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Method and reagent for the inhibition of grid
Patent: WO 0162911-A 892 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Pred. No. 1.7e+02;
0; Mismatches 2; Indels
Score 13.8; DB 1; Length 17;
Pred. No. 1.7e+02;
0; Mismatches 2; Indels
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1 Similarity 88.2%; Pred. No. 1.7e+02;
15; Conservative 0; Mismatches 2;
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                                                                                                                                                                                        17 bp Sequence 244 from Patent WO0162911. AX272675
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Sequence 892 from Patent WO0162911.
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AX273323.1 GI:16546060
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Matches 15; Conservative
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Matches 15; Conservative
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AX272675
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AX273323
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17 TGATACTCATCCTTTTC 1
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Best Local Similarity 88.23
Matches 15; Conservative
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Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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AX648277/c
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AX615330
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            Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10
Patent: BP 1243660-A 221 25-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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                                           Shannon, M.
Human posh-like protein 1
Patent: EP 1239051-A 422 11-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: EP 1239051-A 1522 11-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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/organism="Homo sapiens"
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 221 from Patent EP1243660.
AX544708
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/organism="Homo sapiens"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                              0.9%; Score 13.8; DB 1; Length 1
88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2; Indels
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Patent: EP 1273660-A 117 08-JAN-2003;
Aeomica, Inc. (US)
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88.2%; Pred. No. 1.7e+02;
7ative 0; Mismatches 2;
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Human lccl-domain containing protein
Patent: EP 1262488-A 137 04-DEC-2002;
Aeomica. Inc. (US)
Location/Qualifiers
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Sequence 137 from Patent EP1262488.
AX615330
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    .17
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/mol type="unassigned DNA"
/db_xref="taxon:9606"
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PAT 31-MAR-2003
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Homínidae; Homo.
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae, Homo.
                                                   Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7
mdz12
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Best Local Similarity 88.2%; Fred. No. 1.7e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 1.7e+02;
ative 0; Mismatches 2;
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Sequence 5210 from Patent EP1281758.
AX692478
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                                                                                                      Patent: EP 1281758-A 5209 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: EP 1281758-A 5211 05-FEB-2003;
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Sequence 5211 from Patent BP1281758.
AX692479 GI:29415437
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/organism="Homo sapiens"
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Location/Qualifiers
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Best Local Similarity 88.29
Matches 15; Conservative
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AX692479/C
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: EP 1273660-A 118 08-JAN-2003;
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AX692477
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Sequence 5208 from Patent EP1281758.
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AK648278 GI:29151096
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/mol_type="unassigned DNA"
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Location/Qualifiers
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Location/Qualifiers
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Sequence 90 from Patent WO03025175.
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/db_xref="taxon:10090"

    .17
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                                123 GACCCGACACATGGAGG 139
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Patent: WO 03025176-A 2632 27-MAR-2003;
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Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Location/Qualifiers
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AX727110 17 bp DN.
Sequence 4797 from Patent WO03025176.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.7e+02;
tive 0; Mismatches 2;
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88.2%; Pred. No. 1.7e+02;
Live 0; Mismatches 2;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 2191 from Patent WO03025175.
AX730557
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                   Homo sapiens
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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88.2%; Pred. No. 1.7e+02;
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AX730435
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Molecular Engines Laboratories (FR)
Location/Qualifiers
                                 AX729352 17 bp D
Sequence 986 from Patent WO03025175.
                                                                                                                                                                                                                                                                                                                                            /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Best Local Similarity 88.2%;
Matches 15; Conservative
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AX730435
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                  Telerman,A., Amson,R. and Tuijnder,M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in tumoral suppression, tumoral reversion, apoptosis and/or viral resistance phenomena and their use as medicines
Patent: WO 03040369-A 563 15-MAY-2003;
Molecular Engines Laboratories (FR)
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Location/Qualifiers
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Sequence 563 from Patent WO03040369.
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Sequence 683 from Patent WO03040369.
AX757362
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/mol_type="unassigned DNA"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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reversion, apoptosis and/or virus resistance and their use as
                                                                                                                                                                                                                                 Gaps
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicamente to a medicamente better: WO 30302177-A 231S 27-MAR-2003; Molecular Engines Laboratories (FR)

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88.2%; Pred. No. 1.7e+02;
trive 0; Mismatches 2;
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Patent: WO 03025175-A 5091 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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AX736725.1 GI:30516013
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX736725
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Sequence 22 from patent US 5891671,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Oreochromis niloticus (Nile tilapia)
Oreochromis niloticus
Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Actinopterygii, Neopterygii; Teleostei; Euteleostei; Neoteleostei;
Acanthomorpha; Acanthopterygii; Percomorpha; Perciformes;
Labroidei; Cichlidae; Oreochromis.
                                                                                                                                                                                                        Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Genomar ASA (NO)
Location/Qualifiers
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Sequence 630 from Patent WO03060160.
AX804462
                                                                                                     AX782026
Sequence 357 from Patent W003050284.

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17 ACCTCAGCACCCACCTC 1
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Best Local Similarity 88.2%;
Matches 15; Conservative
                  17 GCCGAGGTGAGTGGATC
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   GACGAGGTGAGGGGATC
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AR069548
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AX782026/c
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Unknown.
Unclassified.
In (bases 1 to 18)
Suzuki, Y., Magota, R. and Masuda, T.
Suzuki, Y., Majora, S. and Masuda, T.
Method for cleaving chimeric protein using processing enzyme
Patent: US 5891671-A 22 06-APR-1999;
Location/Qualifiers
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Suzuki,Y., Magota,K. and Masuda,T.
Method for cleaving chimeric protein using processing enzyme
Patent: US SS91671-A 23 06-APR-1999;
Location/Qualifiers
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Patent: WO 2004055178-A 1 01-JUL-2004;
                                                                                                                                                                                                                     Query Match 0.9%; Score 13.8; DB 1; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2;
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88.2%; Pred. No. 1.9e+02;
ative 0; Mismatches 2;

    .18
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CQ830099
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E16949/c
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                                                   Gaps
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E 1 (Dases 1 to 18)
S ANALYSIS OF SOIL NUCLEIC ACID
L PATENT: JP 1998066599-A 5 10-MAR-1998;
TOYOTA MOTOR CORP
OS None
OC Artificial sequences.
PN 1998066599-A/5
PN 1998066599-A/5
PN 1998066599-A/5
PN 1998066899-A/5
C Artificial Sequences.
PN 40-1996 UP 1996242503
PF 27-AUG-1996 UP 1996242503
PI OKAMURA NOL1 YANASHITA MASAMI, KATAYAMA SHINTA PC C strandedness: Single;
CC topology: Linear, Location/Qualifiers
FH Key
Location/Qualifiers
FH Source

/organism='Artificial sequences'.
FT Source
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                       0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1.9e+02; vative 0; Mismatches 2; Indels
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/organism="unidentified"
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                                                                          1375 ATGTTGAACTTCATGAT 1391
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                                                                                         18 ATGCTGAATTTCATGAT 2
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JP 1998066599-A/5.
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JP 1998229884-A/31.
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                       Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
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E15411/c
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E16948
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PF 04-MAR-1997 JP 1997063953

PR 04-MAR-1996 JP 96P

PR 04-MAR-1996 JP 96P

MAGGTA KOJI, MASUDA TOYOFUMI, SUZUKI YULI, YABUTA MASAYUKI PC
C12N15/09, CO7HZ1/04, CO7KI4/39, CO7KI4/40, C12N1/19, C12N1/60, PC
C12N15/09, CO7HZ1/04, CO7KI4/39, C07KI4/40, C12N1/19, C12N1/10, C12N1/1
                                                                                                                                                                             (C12N1/19,C12R1:78),(C12N1/19,C12R1:72),(C12N1/19,C12R1:84),(C12NS)60,
C12NS,60,
C12R1:78),(C12N9/60,C12R1:72),(C12N9/60,C12R1:84),(C12P21/02,C12R1:78),
C12R1:78),(C12P21/02,C12R1:72),(C12P21/02,C12R1:84);
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1 (bases 1 to 18)
Magota,K., Masuda,T., Suzuki,Y. and Yabuta,M.
PRODUCTION OF SECRETORY KEX2 DERIVATIVE
BEACH: JP 1998229884-A 32 02-SEP-1998;
SUNTORY LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.9%; Score 13.8; DB 1; Best Local Similarity 88.2%; Pred. No. 1.9e+02; Matches 15; Conservative 0; Mismatches 2;
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/organism="unidentified"
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Gaps

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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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REFERENCE AUTHORS TITLE JOURNAL FEATURES

AR234685/c LOCUS

RESULT 225

DEFINITION

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linear PAT 12-JUN-2003
                     Unknown.

SM Unknown.

Unclassified.

Unclassified.

(CE 1 (Gases I to 18)

DRS Cohen, D., Chumakov, I. and Blumenfeld, M.

Biallelic markers for use in constructing a high density disequilibrium map of the human genome disequilibrium map of the human genome RNAL Patent: Use 53777-1-A 7807 25-WAR-2003;

Location/Qualifiers

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Unclassified.
E 1 (bases 1 to 18)
AS Cohen, D., Chumakov, I. and Blumenfeld, M.
Biallelic markers for use in constructing a high density disequilibrium map of the human genome
Location/Qualifiers
Location/Qualifiers
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Location/Qualifiers
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88.2%; Pred. No. 1.9e+02;
vative 0; Mismatches 2;
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AR299710.
AR299710.1 GI:31686994
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GI:31683356
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synthetic construct
artificial sequences.
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Best Local Similarity 88.29
Matches 15; Conservative
AR296072.1
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AR299710/c
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AX235560
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                                                 Query Match
0.9%; Score 13.8; DB 1; Length 18;
Best Local Similarity 88.2%; Pred. No. 1.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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1 (bases 1 to 18)

Cowsert,L.M.

Patisense inhibition of cyclin D2 expression

Patent: US 6492173-A 10 10-DEC-2002;
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AR296072
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Sequence 10 from patent US 6492173.
AR266198
AR266198.1 GI:29695044
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Patent: US 6458838-A 1 01-OCT-2002;
Location/Qualifiers
                                                                                                                                                                                                                                    AR234685 18 bp
Sequence 1 from patent US 6458838.
AR234685. GI:27277463

    18
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    /mol_type="genomic DNA"

/mol_type="genomic DNA"
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/organism="unknown"
/mol_type="genomic DNA"
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                                                                                                                  402 CATCATCAGCACCCTGG 418
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Best Local Similarity 88.23
Matches 15; Conservative
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Unclassified.
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 226 AR266198/c LOCUS

source

TITLE JOURNAL FEATURES

REFERENCE AUTHORS

RESULT 227
AR296072/c
LOCUS
DEFINITION
ACCESSION

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PAT 26-SEP-2001

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PAT 02-DEC-2003
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Yamamoto,J.I., Isono,Y., Hio,Y., Otsuka,K., Nagai,K., Irie,R.,
Tamechika,I., Seki,N., Yoshikawa,T., Otsuka,M., Nagahari,K. and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /mol_type="unassigned DNA"

dD_xxef="taxon:32644"

/note="Description of Artificial Sequence: an artificially

synthesized primer se q"
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/db_xref="t=axon:32630"
/noTe="primer that hybridizes to the human MATN3 gene"
                                                                                                                                                                                                 Stefansson, S.E.
Gene matn3 or matrilin-3 linked to osteoarthritis treatment
Patent: WO 03062469-A 123 31-JUL-2003;
Decode Genetics EHF. (IS)
Location/Qualifiers
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Full-length cDNA sequences
Patent: EP 1347046-A 5348 24-SEP-2003;
Research Association for Biotechnology (JP)
Location/Qualifiers
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                                               Sequence 123 from Patent WO03062469. AX811434
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Seguence 5348 from Patent EP1347046.
AX838224
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BD139690
BD139690.1 GI:23234635
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artificial sequences.
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Best Local Similarity 88.2
Matches 15, Conservative
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AX811434/C
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Patent: EP 1174518-A 262 23-JAN-2002;
Amsterdam Support Diagnostics B.V. (NL)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Loukachov,V.V., Goudsmit,J. and van Gemen,B. Collection of binding molecules
Patent: WO 0208463-A 262 31-JAN-2002;
Amsterdam Support Diagnostics B.V. (NL)
Location/Qualifiers
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Pred. No. 1.9e+02;
0; Mismatches 2;
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/noTe="position 98"
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                                                                               0; Mismatches
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AX353056
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Sequence 262 from Patent WO0208463.
AX362901
               /note="oligonucleotide"
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                                                                                                                                  76 GGAGATGGAAACACTGA 92
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artificial sequences.
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                               Conservative
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                                      Query Match
Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
Matches 15; Conserv
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AX353056/c
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AX362901/c
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PAT 08-MAY-2003

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Minani, Y.

Minani, Y.

OLIGONUCLECTIDE FOR DETECTING PLANT TRANSFORMANT AND METHOD FOR DETECTING THE SAME

DETECTING THE SAME

L. PATENT: JP 199229176-A 5 18-AUG-1992;

SHIMADZU CORP

OS Artificial sequence; Genes.

OS Artificial sequence; Genes.

OS Ervinia carotovora

PP 199229176-A/5

PP 27-DEC-1990 JP 1990407123

PP 27-DEC-1990 JP 1990407123

PP 27-DEC-1990 JP 1990407123

PP C12NIS/11/C1201/68;

CC strandedness: Single;

CC ctopology: Linear;

CC hypothetical: No;

CC anti-senes: No.
                                                                                                                                                                         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
                                                                                                                                                                                                                            Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as
                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 17;
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E03871
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93.3%; Pred. No. 1.5e+02;
tive 0; Mismatches 1;
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92.9%; Pred. No. 1.8e+02;
tive 1; Mismatches 0;
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                                                                                                                                                                                                                                                                                                 Patent: WO 03025176-A 1929 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                 AX724242 17 bp DNA Sequence 1929 from Patent WO03025176.

    .17
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                                                                                                                                        Mus musculus (house mouse)
                                                                                    AX724242
AX724242.1 GI:30503585
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JP 1992229176-A/5.
synthetic construct
synthetic construct
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Best Local Similarity 92.9*
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Matches 14; Conservative
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                  RESULT 236
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                                                                     Streptococcus.
1 (bases 1 to 18)
Palmer,L.M., Fedon,J.C., Warren,R.L., Kosmatka,A.L., Shilling,L.K.,
Balack,M.T., Hodgson,J.E., Nicholas,R.O., Knowles,D.J.C.,
Lonetto,M.A. and Stodola,R.K.
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                                                                                                                                                      Riba
Patent: JP 2002204310-A 3 12-FEB-2002;

SMITHKLINE BEECHAM CORP
OS Streptococcus puenenniae
N JP 2002504310-A/3
PD 12-FEB-2002
PF 23-NOV-1999 JP 2000522266
PF 23-NOV-1999 JP 2000522266
PF 12-EB-10W ANN STREM, JASON C FEDON, RICHARD L
WARREN ANNS L KOSNATKA,
PI LISA K SHILLING, MICHAEL T BLACK, JOHN E HODGSON, RICHARD O PI
                                                                                                                                                                                                                                                                                                                                                                                                                          C07K14/315, C07K16/12, C12N1/21, C12P21/02, G01N33/15, G01N33/50,
                                                                                                                                                                                                                                                                                                                                                                     Gaps
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                Streptococcus pneumoniae
Streptococcus pneumoniae
Bacteria, Firmicutes, Lactobacillales, Streptococcaceae;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ch 0.9%; Score 13.8; DB 1; Length 18; 1 Similarity 88.2%; Pred. No. 1.98+02; 15; Conservative 0; Mismatches 2; Indels
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|organism="Streptococcus pneumoniae"
|/mol_type="genomic DNA"
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Sequence 9 from patent US 6670135.
AR442660
AR442660.1 GI:42669921
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Patent: US 6670135-A 9 30-DEC-2003;
Location/Qualifiers
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/mol_type="genomic DNA"
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Spriggs, M.K.
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PAT 29-SEP-1997

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Methods and products related to genotyping and DNA analysis.

Sy 17 200225127-A/100.

Homo sapiens (human)

ENGATYOCA; Methods (human)

ENGATYOCA; Methods (human)

REMARYOCA; Methods and products related to genotyping and DNA analysis

Anders J.E., Jordan, B., Housman, D.E. and Charest, A.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY

OS Homo sapiens (human)

PR PACENTS (13-AUG-2002)

PR 2002525127-A 100

PD 13-AUG-2002

PF 24-SEP-1999 UP SO00572407

PF 24-SEP-1999 US 60/101757

PI JOHN E LANDERS, BARBARA JORDAN, DAVID E HOUSMAN, ALAIN CHAREST PC

CILVALS (15/09) C12Q1/68, G01N33/566, G01N33/58, G01N33/59, COLUMNAN, ALAIN CHAREST PC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            229/00,
A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
                                                                                                                                                                                         OS Homo sapiens (human)

PN JP 2002509721-A/3618

PD 02-APR-2002

PF 24-MAR-1998 US 60/079678

PI PAWEL BANCO, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT, PI JAMES A MCSWIGGEN

PO JAMES A MCSW
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     BD241153 17-JUL-2003 Methods and products related to genotyping and DNA analysis.
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   1 (bases 1 to 17)
Pavco, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response
Patent: JP 2002509721-A 3618 02-APR-2002;
RIBOZYME PHARMACEUTICALS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Method and reagent for treating diseases or conditions
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Location/Qualifiers
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Location/Qualifiers
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Key
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/organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="genomic DNA"
/db_xref="taxon:9606"
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         REFERENCE
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BD200592 BD200592.1 GI:33010362 JP 2002509721-A/3618. Homo sapiens (human) Mammalia; Butheria; Primates; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 1 (bases 1 to 16)
Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 5661 20-MAY-2003;
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Pred. No. 1.7e+02;
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Eckstein,F., Ludwig,J. and Beigelman,L.
Nucleic acid catalysts with endonuclease activity
Patent: US 6656731-A 53 02-DEC-2003;
Location/Qualifiers
                                                                                                                                                                               Sequence 5661 from patent US 6566127.
AR328259
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Sequence 53 from patent US 6656731.
AR435794.1 GI:40198878
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Best Local Similarity 93.3
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CQ621890.1 GI:41672108
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                                                                                                                                                                                           21 TCTGCGTCTGCAGAG 35
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CQ625935/c
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PN JP 2002541795-A/2621
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PF 12-APR-1999 US 60/129390
PI IAWRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC C12N15/09, A61K38/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02, C12P21/02, C12P21/02, A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Shannon,M.E.
                                                                                                                                                                             ыруз4828 17 bp DNA linear PAT 17-
Regulation of repressor genes using nucleic acid molecules.
BD254828
                                                                                                                                                                                                                                                                                      unidentified unclassified.

1 (bases I to 17)
Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Regulation of repressor genes using nucleic acid molecules Patent. JP 2002541795-A 2621 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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               Score 13.4; DB 1; Length 17;
Pred. No. 2e+02;
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Location/Qualifiers
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Sequence 6623 from Patent WO0192524.
             Query Match
0.9%; Score 13.4; D
Best Local Similarity 93.3%; Pred. No. 2e+0
Matches 14; Conservative 0; Mismatches
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/organism="unidentified"
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(C12N5/00, C12R1:91)
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JP 2002541795-A/2621.
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CQ621883.1 GI:41672101
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BD254828/c
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CQ621883
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 192524-A 6630 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Patent: WO 0192524-A 10675 06-DEC-2001;
Acomica, Inc. (US)
Location/Qualifiers
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Pred. No. 2e+02;
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Patent: WO 0192524-A 6623 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 10675 from Patent WO0192524.
CQ625935
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Best Local Similarity 93.3%; Pred. No. 2e+0
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xrefe"taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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PAT 20-APR-2002

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Indels

PAT 17-AUG-2003

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Unknown.
Unclassified.

1 (bases 1 to 17)

1 wCswigen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 4361 12-FEB-2002;

Location/Qualifiers
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Unclassified.
1 (bases I to 17)
Pavco, P., McWiggen, J., Stinchcomb, D. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 4362_12-FEB-2002;
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(I (bases 1 to 17)

Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Rethod and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 656127-A 949 20-MAY-2003;

Location/Qualifiers
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33.3%; Pred. No. 2e+02;
ve 0; Mismatches
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/organism="unknown"
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   ACCESSION
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Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Unclassified.

(bases 1 to 17)

Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6346398-A 2404 12-FEB-2002;

Location/Qualifiers
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Patent: WO 0192524-A 10676 06-DEC-2001;
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 Pred. No. 2e+02;
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AR188873
LOCUS
DEFINITION Sequence 4361 from patent US 6346398.
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6346398.
                                                                                                                                                              LU625936 10676 from Patent WO0192524.
                 Mismatches
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/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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AR186916
AR186916 1 GI:20232881
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Location/Qualifiers
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Mathod and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 2128 20-MAY-2003;
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Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Mathod and reagent for the treatment of diseases or conditions
related to levels of vacular endothelial growth factor receptor
Patent: US 6566127-A 2129 20-MAY-2003;
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             Query Match 0.9%; Score 13.4; DB 1; Length 17; Best Local Similarity 93.3%; Pred. No. 2e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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Sequence 2128 from patent US 6566127.
AR324726.1 GI:33710534
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AR324727
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/mol_type="unassigned RNA"
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AR324726
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Akhtar,S., Fell,P. and McSwiggen,J.A.
Enzymatic nucleic acid treatment of diseases of conditions related to levels of epidermal growth factor receptors
Patent: US 6623962-A 370 23-SEP-2003;
Location/Qualifiers
Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

2 Asroo, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor

Patent: US 6566127-A 4663 20-MAY-2003;
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Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 5311 20-MAY-2003;
Location/Qualifiers
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93.3%; Pred. No. 2e+02;
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Sequence 5311 from patent US 6566127.
AR327909.1 GI:33713717
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Sequence 370 from patent US 6623962.
AR402030
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/mol_type="genomic DNA"
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AR466998.1 GI:42702055
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AR482654/c
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AR466999/c
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.B.

Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6630 03-FEB-2004;

Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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Query Match
0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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AR466998/C
LOCUS AR466998 17 bp DNA
DEFINITION Sequence 10675 from patent US 6686188.
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Seguence 6623 from patent US 6686188.
AR462946
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/mol_type="genomic DNA"
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/organism="unknown"
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Best Local Similarity 93.33
Matches 14; Conservative
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Best Local Similarity
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AR462953
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                                                                Shannon, M.E.
Polynuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 10675 03-FEB-2004;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polymuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 10676 03-FEB-2004; Location/Qualifiers
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Unclassified.

I (bases 1 to 17)

Landers,J., Joduan,B., Housman,D.E. and Charest,A.

Landers,J., Joduan,E., Housman,D.E. and Charest,A.

Methods and products related to genotyping and DNA analysis

Patent: US 6703228-A 100 09-MAR-2004;

Location/Qualifiers
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Best Local Similarity 93.3%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 1;
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE

JOURNAL

RESULT 261 AX214845 LOCUS

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source

FEATURES

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PAT 07-SEP-2001
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0153103-A 3745 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                       Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 3744 16-AUG-2001;
RIDOZYME PHARMACEUTIAALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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/mol type="unassigned RNA"
/db_xref="taxon:32630"
/note="Nucleic Acid"
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Sequence 3745 from Patent WO0159103.
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AX284039/c
LOCUS
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AX218302/c
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Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 2838 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                   Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0153103-A 287 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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                                Query Match 0.9%; Score 13.4; DB 1; Length 17; Best Local Similarity 93.3%; Pred. No. 2e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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/db xref="teaxon:32630"
/noTe="Nucleic Acid"
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/organism="synthetic construct"
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AX214845
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synthetic construct
artificial sequences.
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synthetic construct
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

AUTHORS TITLE

JOURNAL

FEATURES

REFERENCE

RESULT 262

AX217396 LOCUS

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Gaps

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PAT 02-SEP-2002

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PAT 02-SEP-2002

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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzeae, Oryza.
                                                      Kmiec,E.B., Gamper,H.B., Rice,M.C. and Kim,J.
Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
Patent: WO 0192812-A 316 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Eukaryota, Viridiplantae, Streptophyta, Embryophyta, Tracheophyta,
Spermatophyta, Magnoliophyta, Liliopsida, Poales, Poaceae,
Ehrhartoideae, Oryzae, Oryza.
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
single stranded oligonucleotides
Patent: WO 0192512-A 2383 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Targeted chromosomal genomic alterations in plants using modified
single stranded oligonucleotides
Patent: WO 0192512-A 2384 06-DEC-2001;
     Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; Caryophyllales; Amaranthaceae; Spinacia.
                                                                                                                                                                                                                                                                  0.9%; Score 13.4; DB 1; Length 17; 13.3%; Pred. No. 2e+02; ve 0; Mismatches 1; Indels
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    .17
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Matches 14, Conservative
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AX326245/c
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Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Caryophyllales; Amaranthaceae; Spinacia.
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Spinacia oleracea
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
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Targeted chromosomal genomic alterations in plants using modified single stranded oligonucleotides
Patent: WO 0192512-A 315 06-DEC-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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                                                                                                                                                                                                                                                                              /organism="synthetic construct"
/mol type="unassigned DNA"
/db_xref="taxon:32630"
/note="Beschreibung der kunstlichen
Sequenz:Polydesoxyribonukleotid"
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Patent: WO 0179487-A 4 25-OCT-2001;
Degitz, Klaus Karl (DE) ; Besch, Robert (DE)
Location/Qualifiers
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/organism="Spinacia oleracea"
/mol_type="unassigned DNA"
/db_xref="taxon:3562"
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 Sequence 4 from Patent WO0179487.
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AX324178
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PAT 22-MAR-2003

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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Human sodium-hydrogen exchanger like protein 1
Patent: EP 1273660-A 119 08-JAN-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: BP 1273660-A 120 08-JAN-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Seguence 120 from Patent EP1273660.
AX648280
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Sequence 119 from Patent EP1273660.
                                                                                                                                                                                                                                                                                                                                                                                                    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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cal Similarity 93.3%; Pred. No. 2e+02;
14; Conservative 0; Mismatches 1; Indels
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Human lccl-domain containing protein
Patent: EP 1262488-A 135 04-DEC-2002;
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Human lccl-domain containing protein
Patent: EP 1262488+A 136 04-DEC-2002;
Aeomica, Inc. (US)
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/organism="Oryza sativa"
/mol_type="unassigned DNA"
/db_xref="taxon:4530"
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Sequence 135 from Patent EP1262488.
Ax615328
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Sequence 136 from Patent EP1262488.

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

                   Location/Qualifiers
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Location/Qualifiers
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Location/Qualifiers
UNIVERSITY OF DELAWARE (US)
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                                                                                        Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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                                          Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 2e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Patent: EP 1281758-A 4613 05-FEB-2003,
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AX691882
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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                Homo sapiens (human)
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: EP 1281758-A 4614 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Aeomica, Inc. (US)
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 4615 from Patent EP1281758.
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Sequence 29 from Patent WO03025176.
AX722342
                                                                                               /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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RESULT 279 AX725093 LOCUS

DEFINITION ACCESSION VERSION KEYWORDS

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REFERENCE AUTHORS TITLE

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 03025177-A 4818 27-MAR-2003;
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                                                                                         17 bp DN Sequence 979 from Patent WO03025175. AX729345 GI:30508688
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DEFINITION Sequence 838 from Patent WO03040369.
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/organism="Homo sapiens"
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16 AAGGCCCTGCTTGAT 2
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Patent: WO 03025176-A 2780 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 4204 from Patent W003025176.
AX726517
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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REFERENCE AUTHORS TITLE

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RESULT 280 AX726517/c LOCUS

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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Location/Qualifiers
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               AX757517.1 GI:32252133
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AX783650/c
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AX760975/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human prostate cancer candidate protein 1
Patent: WO 03050284-A 1982 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
Human prostate cancer candidate protein 1
Patent: WO 03050284-A 1981 19-UN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Patent: WO 03050584-A 1983 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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AX783651
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/mol_type="unassigned DNA"
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17 CARGINGARITRIGGGG 1
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AR148269/c
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Akhtar,S., Fell,P. and Mcswiggen,J.A.

Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors

Enzymatic nucleic acid treatment of diseases or conditions related to levels of epidermal growth factor receptors

Englosves PHARMACEUTICALS INC, ASTON UNIV

OS Unidentified

NO 7-AUG-2001

PP 14-ANN-1999 UP 1998532913

PR 31-JAN-1997 US 60/036476, 04-DEC-1997 US 08/985162 PI

CANDA,OO, COTK14/71

CC Strandedness: Single;

CC Topology: Linear;

CC Enzymatic nucleic acid treatment of diseases or conditions CC
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Enzymatic nucleic acid treatment of diseases or conditions related to
levels of epidermal growth factor receptors
Key
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Query Match 0.9%; Score 13.4; DB 1; Length 17; Best Local Similarity 93.3%; Pred. No. 2e+02; Matches 14; Conservative 0; Mismatches 1; Indels
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Location/Qualifiers
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Dean, N.M. and Cowsert, L.M.
Antisense modulation of daxx expression
Patent: US 6180353-A 109 30-JAN-2001;
Location/Qualifiers
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/mol_type="genomic RNA"
/db_xref="taxon:32644"
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AR126680
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/organism="unknown"
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BD067530.1 GI:22613133
JP 2001511003-A/370.
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                                                              1182 GAACGIGGIGGICCA 1196
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                                                                                         15 GAACGTGGTGGGCCA 1
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Unclassified.
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Shimomura, T., Kawaguchi,T., Kitamura,N. and Miyazawa,K.
Shimomura, A. Coding for same and method of producing the protein
Patent: US 6225081-A 17 01-MAY-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1 (bases 1 to 17)
Shinomuran,., Kawaguchi,T., Kitamura,N. and Miyazawa,K.
Protein, DNA coding for same and method of producing the protein
Patent: US 6465622-A 17 15-0CT-2002;
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Length 20;
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0.8%; Score 13.2; DB 1;
Best Local Similarity 70.6%; Pred. No. 2.1e+02;
Matches 12; Conservative 3; Mismatches 2;
Query Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 1;
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AR148269
AR148269.1 GI:15112359

    .17
    /organism="unknown"
    /mol_type="unassigned DNA"

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/organism="unknown"
/mol_type="unassigned DNA"
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Sequence 203 from Patent WO0170982.
AX255782
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PAT 05-MAY-2004
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                                 KIM ADELHORST
C12N15/09,C07H21/00,C12Q1/68,G01N33/53,G01N33/566,C12N15/00
Description of Artificial Sequence:PNA probe, HER-2, position
3115-3099
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Pavco, P., McSwiggen, J., Stinchcomb, D. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6346398-A 3741 12-FEB-2002;

Location/Qualifiers
JACOBS JOHANNES MARIA VAN DONGEN, KARL JOHAN PLUZEK, KIRSTEN
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/organism='Artificial Sequence'
Location/Qualifiers
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100.0%; Pred. No. 2.3e+02;
/ative 0; Mismatches 0; Indels
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Patent: WO 2004033723-A 60 22-APR-2004;
IMPERIAL COLLEGE INNOVATIONS LIMITED (GB)
                                                                                                         Location/Qualifiers

    .17
        Corganism="synthetic construct"
/mol_type="genomic DNA"
/db_xref="taxon:32630"

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Sequence 3741 from patent US 6346398.
AR188253.
AR188253.1 GI:20234218
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Matches 13; Conserv
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CQ801550
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artificial sequences.

E 1 (bases 1 to 17)
Songen, J.J.M.V., Pluzek, K.J., Nielsen, K.V. and Adelhorst, K.
Dongen, J.J.M.V., Pluzek, K.J., Nielsen, K.V. and Adelhorst, K.
Method and probes for the detection of chromosome aberrations
by Patent: JP 2002513587-A 73 14-MAY-2002;
DAKO AS
OS Artificial Sequence
PN JP 2002513587-A/73
PD 14-MAY-1999 JP 2000547260
PR 04-MAY-1999 DK 0615/98
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                                                                                   Beger, C., Barber, J. and Wong-Staal, F.
Brca-1 regulators and methods of use
Patent: WO 0170982-A 203 27-SEP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.

1 (bases 1 to 17)
Stinchcomb,D.T. and McSwiggen,J.A.
Interleukin-2 receptor gamma-chain ribozymes
Patent: US 5807743-A 53 15-SEP-1998;
Location/Qualifiers
                                                                                                                                                                          1..16
/organism="synthetic construct"
/mol_type="unassigned DNA"
/db_xref="taxon:32630"
/note="Synthetic oligonucleotide"
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Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 0;
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Sequence 53 from patent US 5807743.
AR039205
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/wol_type="unassigned DNA"
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                synthetic construct
synthetic construct
artificial sequences.
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                                                                  Unclassified.

1 (bases 1 to 17)

Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 1508 20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Blatt, L., Mcswiggen, J. and Chowrira, B.M. Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression Patent: WO 0159103-A 288 16-AUG-2001; RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US); McSwiggen, James (US); Chowrira, Bharat M. (US)
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Beigelman, L., Burgin, A.B., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Oligoribonucleotides with enzymatic activity Patent: Us 6617438-A 456 09-5EP-2003;
Location/Qualifiers
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100.0%; Pred. No. 2.3e+02;
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Sequence 456 from patent US 6617438.
AR398075
AR398075.1 GI:40135592
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                                                                                                                                                                                                                  /organism="unknown"
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 GI:33709914
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artificial sequences.
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Unclassified.
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Best Local Similarity
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Beigelman, L., Burgin, A., Beaudry, A., Karpeisky, A., Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Matulic-Adamic, J., Sweedler, D. and Zinnen, S. Syntheir ribonucleic acids with RNAse activity Patent: US 6528640-A 457 04-MAR-2003;
                                    Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.3e+02; Matches 13; Conservative 0; Mismatches 0; Indels
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Magoc, M. and Ravot, G.
Method of detecting sulphate-reducing bacteria
Patent: US 6531281-A 17 11-MAR-2003;
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Sequence 1508 from patent US 6566127.
AR324106
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AR286085
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AR287615
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RESULT 298 AR287615/c LOCUS

DEFINITION ACCESSION VERSION KEYWORDS

SOURCE ORGANISM

Bource

TITLE JOURNAL FEATURES

REFERENCE AUTHORS

LOCUS DEFINITION ACCESSION

RESULT 299 AR324106

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PAT 26-OCT-2001
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                                                                                                                                                                                                                                      Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Targeted chromosomal genomic alterations with modified single
stranded oligonuclecides
Patent: WO 0173002A 2787 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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100.0%; Pred. No. 2.3e+02;
tive 0; Mismatches 0;
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Sequence 1917 from Patent WO03004526.
AX673472.
AX673472.1 GI:29331820
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Patent: WO 03004526-A 1917 16-JAN-2003;
Molecular Engines Laboratories (FR)
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                                                                                                                        Sequence 2787 from Patent W00173002. AX265396
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 1508 CCTTACCCCAGGC 1520
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                        14 CCTTACCCCAGGC
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                                                            Gaps
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Targeted chromosomal genomic alterations with modified single stranded oligonucleotides
Patent: WO 0173002-A 2786 04-0CT-2001;
UNIVERSITY OF DELAWARE (US)
Location/Qualifiers
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Patent: WO 0159103-A 1165 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US)
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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                                                                       Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.3e+02; Matches 13; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 0;
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/noTe="Nucleic Acid"
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                                                                                                                                                                                                                                                                  Sequence 1165 from Patent W00159103. AX215723
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Mus musculus
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AX723124.1 GI:30423625
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AX723124
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Sequences involved in phenomena of tumour suppression, tumour
reversion, apoptosis and/or resistance to viruses and their use as
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Homo sapiens
Bukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
                                                                                                 Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 3093 from Patent WO03004526.
AX674648
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Sequence 4616 from Patent EP1281758.
AX691884
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Location/Qualifiers
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                                   AX674648.1 GI:29332996
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Homo sapiens
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AX691885/c
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
Shannon,M., Gu,Y. and Nguyen,C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Sequence 3449 from Patent W003025176.
AX725762
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
                                                                                         Patent: EP 1281758-A 4617 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 811 from Patent WO03025176.
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Homo sapiens
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AX737926
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines
Patent: WO 03025175-A 2315 27-WAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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                                                                            Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.3e+02; Matches 13; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 2.3e+02;
tive 0; Mismatches 0; Indels
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1. .17
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/db_xref="taxon:10090"
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/db xref="taxon:9606"
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Location/Qualifiers
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Best Local Similarity 100.
Matches 13, Conservative
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AX730681/c
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AX737420/c
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                               Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversibion, apoptosis and/or resistance to viruses and the use thereof as medicaments Patent: WO 03025177-A 3516 27-MAR-2003; Molecular Engines Laboratories (FR)
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100.0%; Pred. No. 2.3e+02;
ive 0; Mismatches 0; Indels
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17 bp DNA
Sequence 3516 from Patent W003025177.
AX737926.1 GI:30517214
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Sequence 165 from Patent WO03033703.
AX750949
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/mol_type="unassigned DNA"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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100.0%; Pred. No. 2.3e+02;
tive 0; Mismatches 0; Indels
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Human gtp-activator protein for rab-like gtpase
Patent: WO 03033703-A 171 24-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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 DNA
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AX750955 171 from Patent WO03033703.
                                                                                                                                                                                                                                             /organism="Homo sapiens"
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                                           AX750955.1 GI:32133283
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Matches 13; Conservative
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Matches 13; Conservative
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AX762870
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AX758682/c
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1 (bases 1 to 16)
Quint, W. and Kleter, B.
Quint, W. and Kleter, B.
TYPE-SPECIFIC REVERSE HYBRIDIZATION OF TYPE-SPECIFIC REVERSE HYBRIDIZATION
Patent: WO 9914377-A 88 25-MAR-1999;
INNOGENETICS NV (BE); DELFTS DIAGNOSTIC LAB B V (NL)
Location/Qualifiers
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Unclassified.
Unclassified.
1 (bases 1 to 16)
Rice,D., Carozzi,N., Lotstein,R., de Framond,A., Anderson,D.M.,
Rajasekaran,K., Rangan,T.S. and Yenofsky,R.
Insecticidal cotton plant calls
Patent: EP 0317511-AZ 7 24-MAY-1989;
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Telerman, A., Amson, R. and Tuijnder, M.
Sequences involved in tumoral suppression, tumoral reversion,
apoptosis and/or viral resistance phenomena and their use as
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Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 13; Conservative 0; Mismatches 0;
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                                                                                                   Patent: WO 03040369-A 6191 15-WAY-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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/organism="Homo sapiens"
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/db_xref="taxon:9606"

    .16
    /organism="unidentified"
    /mol_type="unassigned DNA"
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Sequence 7 from Patent EP 0317511.
106972
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Sequence 88 from Patent WO9914377.
A97811
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Best Local Similarity 87.5
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Van Doorn, L.-J., Quint, W., Kleter, B. and TerSchegget, J.
Van Doorn, L.-J., Quint, W., Kleter, B. and TerSchegget, J.
Detection and identification of human papillomavirus by PCR and type-specific reverse hybridization
Expersion of 6482588-A 88 19-NOV-2002;
Location/Qualifiers
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Unclassified.
Unclassified.
I (basse 1 to 16)
Tod, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D.,
Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L.,
Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.
                              Gaps
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Length 16;
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Best Local Similarity 87.5%; Pred. No. 2.2e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 439 from patent US 6545137.
AR305481
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Sequence 439 from patent US 6555654.
AR309585
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/mol_type="genomic DNA"
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                                                         189 GCTGGATCGGGCCATG 204
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              Best Local Similarity
Matches 14; Conserv
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 Query Match
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AR309585
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Unclassified.

1 (bases 1 to 16)

Todd, J.A., Hess, J.W., Caskey, C.T., Cox, R.D., Gerhold, D., Hammond, H., Hey, P., Kawaguchi, Y., Merriman, T.R., Metzker, M.L., Nakagawa, Y., Phillips, M.S. and Twells, R.C.J.

LDL-receptor
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Detection and identification of human papillomavirus by pcr
type-specific reverse hybridization
Patent: EP 1201771-A 88 02-MAY-2002;
INNOGENETICS N.V. (BE) , Delfts Diagnostic laboratory B.V.
Location/Qualifiers
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87.5%; Pred. No. 2.2e+02;
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Brca-1 regulators and methods of use
Patent: WO 0170982-A 113 27-SEP-2001;
Immusol Incorporated (US); Beger, Carmela (DE)
                                                                                                                                                                                                                                                                                   Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 2.2e+02; Matches 14; Conservative 0; Mismatches 2;
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| mol type="unassigned DNA"
| db xtref="taxon:32630"
| noTes="Synthetic oligonucleotide"
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                                                                                                                                          Patent: US 6555654-A 439 29-APR-2003;
Location/Qualifiers
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Sequence 113 from Patent WO0170982.
AX255692
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Sequence 88 from Patent EP1201771.
AX428689
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TTCTGGGGCTGGTGA 1540
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Key
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1 (bases 1 to 17)
Habermann, P.
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A10566.1 GI:412123
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BD106392
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BD106392
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Oligomeric compounds for the modulation hif-lalpha expression
Patent: WO 03085110-A 53 16-OCT-2003;
Cureon A/S (DK)
                                                                                                Gaps
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/note="bescription of Artificial Sequence:antisense oligonucleotide to human HIF-la"
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                                                                 Length 16;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.2e+02;
Matches 14; Conservative 0; Mismatches 2;

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                                                                                                                                                                                                                      Sequence 34 from Patent WO03085110. AX927948
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                                                                                                                          151 CAATTGCTGGAGCAAG 166
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synthetic construct
artificial sequences.
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Best Local Similarity
Matches 14; Conserva
                                                                                 Best Local Similarity
Matches 14; Conserv
                                                                    Query Match
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AX927948/c
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AX927967/c
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Patent: JP 2002501376-A 407 15-JAN-2002;
THE WELLCOME TRUST LTD AS TRUSTEE TO THE WELLCOME TRUST, MERCK & CO
INC
PAT 18-SEP-2002
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                                                                                                                                        Bacteria; Chlamydiae; Chlamydiales; Chlamydiaceae; Chlamydia.
1 (bases 1 to 16)
Todd,J.A., Hess,J.W., Caskey,C.T., Cox,R.D., Gerhold,D., Hammond,H.
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DAVID GERHOLD, HOLLY HAMMOND, PATRICIA HEY
CIZNIS/12, CIZNIS/11, CI2Q1/68, C07K14/705, C07K16/28, A61K38/17,
A61K39/395,
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Patent: BP 0229998 A 22 29-JUL-1987;
HOECHST AKTIENGESELLSCHAFT
Location/Qualifiers
linear
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PD 15-JAN-2002
PF 15-APR-1998 JP 1998543635
PR 15-APR-1997 US 60/043553 05-JUN-1997 US JOHN ANDREW TODD, JOHN WILFRED HESS, CHARLES THOMAS CASKEY, ROGER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 2.2e+02; Matches 14; Conservative 0; Mismatches 2;
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/organism="synthetic construct"
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/db_xref="taxon:32630"
DNA

    16. .16
    /organism="Chlamydia gp."
/mol_type="genomic DNA"
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Strandedness: Double;
                                                           BD106392.1 GI:23201210
JP 2002501376-A/407.
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Location/Qualifiers
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GI:6092814
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Best Local Similarity 87.5
Matches 14; Conservative
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unclassified.
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Unclassified.
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Best Local Similarity
A80029.1
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AR009779/c
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ORGANISM
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IMMORTALISED CELL LINES FROM HUMAN ADIPOSE TISSUE, PROCESS FOR PREPARING SAME AND APPLICATIONS THEREOF PATENTING SAME AND APPLICATIONS THEREOF CENTE. WO 9634100-4 9 31-OCT-1996; CENTRE NAT RECH SCIENT (FR)
Other publication FR 2733513 961031.
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ive 0; Mismatches 2;
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/organism="synthetic construct"
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                                                                                                                                Patent: GB 2241703-A 8 11-SEP-1991;
Location/Qualifiers
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Sequence 26 from Patent WO9619578.
A80029
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Sequence 9 from Patent WO9634100.
A57774
A57774.1 GI:3713598
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1 (bases 1 to 17)
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1 (bases 1 to 17)
Collins, D.M. and Wilson, T.
Collins, D.M. and Wilson, T.
METHODS AND COMPOSITIONS FOR DETECTING AND TREATING MYCOBACTERIAL INFECTIONS USING AN AMPCF OPERON
PATCHE: WO 9619578-A 26 27-JUN-1996;
COLLINS DESMOND MICHAEL (NZ); WILSON THERESA (NZ)
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Noeske-Jungblut, C., Haendler, B., Kraetzschmar, J.Reiner., Schleuning, W.-D., Alagon, A., Possani, L. and Cuevas-Aguirre, D. Collagen-induced platelet aggregation inhibitor Patent: US 575644A, 35 26-MAY-1998;
Location/Qualifiers
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Mordechai, E. and Vojdani, A.
Detection of chronic fatigue syndrome
Patent: US 5830668-A 5 03-NOV-1998;
Location/Qualifiers
                                                                                                                                                                                  /organism="unidentified"
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Sequence 35 from patent US 5756454.
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Sequence 5 from patent US 5830668.
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Grimm, S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and
Draper, K.G.
Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 1692 17-NOV-1998;
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Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
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Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 1675 17-NOV-1998;
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             Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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AR057471/c
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Mordechai, E. and Vojdani, A.
Mordechai, E. and Vojdani, A.
Detection of chronic fatigue syndrome by increased apoptosis and cell cycle arrest of peripheral blood mononuclear cells
Patent: US 5853956-A 5.29-DEC-1998;
Location/Qualifiers
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Unclassified.
Unclassified.
1 (bases 1 to 17)
Strosberg, A. Donny. and Zilberfarb, V.
Immortalized cell lines from human adipose tissue, process for preparing same and applications thereof
Patent: US 6071747-A 9 06-JUN-2000;
                                                                                                                                                                                                                                                                             Gape
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1 (bases 1 to 17)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
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                                                               Draper, K.G.
Intercellular adhesion molecule-1 (ICAM-1) ribozymes
Patent: US 5837542-A 1973 17-NOV-1998;
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AR068479
AR068479.1 GI:6000686
                                                                                                                              Location/Qualifiers
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;

Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae; Homo.

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PC A61P35/00,A61P43/00,C12N5/10,C12N9/00//A61K35/76,C12N15/00, PC
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Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response.
                                                                                                                                                                                                                Riberyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 1973 17-OCT-2000;
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                                                                                                         Unclassified.
1 (bases 1 to 17)
Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and Draper,K.G.
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
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Key Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                   /mol_type="unassigned DNA"
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/organism="Homo sapiens"
/mol_type="genomic RNA"
/db_xref="taxon:9606"
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/organism="unknown"
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AR115527
AR115527.1 GI:14095849
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JP 2002509721-A/6039.
Homo sapiens (human)
Homo sapiens
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Best Local Similarity 87.55
Matches 14; Conservative
                                                                  Unknown.
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                                                                                                 ORGANISM
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BD203013/c
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Ribozyme treatment of diseases or conditions related to levels of intercellular adhesion molecule-1 (ICAM-1)
Patent: US 6132967-A 1675 17-OCT-2000;
Location/Qualifiers
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Patent: US 6132967-A 1692 17-OCT-2000;
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Unclassified.
1 (bases 1 to 17)
Grimm.S., Stinchcomb, D.T., McSwiggen, J., Sullivan, S. and Draper, K.G.
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Grimm,S., Stinchcomb,D.T., McSwiggen,J., Sullivan,S. and
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0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 2.5e+02; ive 0; Mismatches 2; Indels
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2; Indels
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84115527/c AR115527 AR115527 AR115527 Erom patent US 6132967.
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6132967.
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/mol_type="unassigned DNA"
                                                                                                                                                                                                                                                                           Sequence 1675 from patent US
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Best Local Similarity 87.5'
Matches 14; Conservative
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Matches 14; Conserv
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RESULT 343 BD203014/c LOCUS

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PF 11-APR-2000 JP 2000611654
PR 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN PC C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N15/10,PC C12P21/02,
PC C12P21/02,C12P21/02/A61K31/711,(C12N5/10,C12R1:91),(C12P21/02,PC C12R1:91),
PC (C12P21/02,C12R1:91), (C12P21/02,C12R1:91),C12N15/00,C12N5/00,PC A61K37/02,
PC A61K37/02,C12R1:91)
CC Regulation of repressor genes using nucleic acid molecules FH Location/Qualifiers
Key Location/Qualifiers
FT source (crame of control of c
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Regulation of repressor genes using nucleic acid molecules.
BD254508
BD254408.1 GI:33064278
JP 2002541795-A/2301.
unidentified
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(C12N5/00,C12R1:91)
Regulation of repressor genes using nucleic acid molecules FH Location/Qualifiers
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S Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.

Regulation of represent genes using nucleic acid molecules

Regulation of represent genes using nucleic acid molecules

RIBOZYME PHARMACEUTICALS INC

OS EUKATYOLE

PN JP 2002541795-A/2301

PD 10-DEC-2002

PF 11-APF-2000 JP 2006511654

PR 12-APF-1999 US 60/129390

PR 12-APF-1999 US 60/129390

PR 12-APF-1999 US COMESTIVE, PAMELA PAVCO, JAMES MCSWIGGEN PC

C12R15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC
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C12R1:91),
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Location/Qualifiers
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Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
ative 0; Mismatches 2;
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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/organism="unidentified"
/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Regulation of repressor genes using nucleic acid molecules.
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PN JP 2002509721-A/6040

PD 02-APR-2002

PF 24-MAR-1999 JP 2000541291

PR 27-MAR-1999 US 60/079678

PI PAMELA A PAVCC, ELISABETH ROBERTS, THALE JARVIS, CLAIRE COESHOTT, PI JAMES A MCSWIGGEN

PC C12N15/09, A61K31/7088, A61K31/7125, A61K48/00, A61P3/10, A61P17/06, PC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eukaryota; Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia; Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 17)
Pavco, P.A., Roberts, E., Jarvis, T., Coeshott, C. and Mcswiggen, J.A. Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response
Patent: JP 2002509721-A 6040 02-APR-2002;
RIBOZYME PHARMACEUTICALS INC
                                                                                                                                                                                               BD203014 17-JUL-200 Method and reagent for treating diseases or conditions concerning molecule participating in vasculogenic response.
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Blatt, L., Zwick, M., Pavco, P. and Mcswiggen, J.
Regulation of repressor genes using nucleic acid molecules
Patent: JP 202541795-A 2197 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
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organism='Homo sapiens (human)'.
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/organism="Homo sapiens"
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JP 2002541795-A/2197
10-DEC-2002
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Regulation of repressor fenes
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Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Bregulation of repressor genes using nucleic acid molecules
Partent: JP 2005541795-A 7145 10-DEC-2002;
BN JP 2002541795-A/7145
BN JP 2002541795-A/7145
BN JP 2002541795-A/7145
BN JP 2005511654
BN 12-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN
C12N15/09,A61K38/00,A61K48/00,A61P43/00,A61P43/00,C12N5/10,PC
C12P21/02,
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BD259352.1 GI:33069122
JP 2002541795-A/7145.
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Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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/organism="unidentified"
/mol_type="genomic DNA"
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/mol_type="genomic DNA"
/db_xref="taxon:32644"
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Best Local Similarity 87.5'
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Regulation of repressor genes using nucleic acid molecules.
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PN JP 2002541795-A/5270
PD 10-DEC-2002
PF 11-APR-2000 JP 2000611654
PF 12-APR-1999 US 60/129390
PT 1AMRENCE BLATT, MICHAEL ZWICK, PAMELA PAVCO, JAMES MCSWIGGEN PC C12N15/09, A61K38/00, A61K48/00, A61P43/00, A61P43/00, C12N5/10, PC C12P21/02, C12P21/02, A61K31/711, (C12N5/10, C12R1:91), (C12P21/02, PC
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Regulation of repressor genes using nucleic acid molecules
RIBOXANDE PHARMACEUTICALS INC
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PN JP 2002541795-A/6382
PD 10-DEC-2002
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PR 12-APR-1999 US 60/129390
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JP 2002541795-A/6382.
                         CTTCATGCTGCTC 1059
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C12P21/02,C12P21/02//A61K31/711,(C12N5/10,C12R1:91),(C12P21/02, PC
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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PN JP 2002541795-A/7234
PD 10-DEC-2002
PF 11-APR-1999 US 60/129390
PI LAWRENCE BLATT,MICHAEL ZWICK,PAMELA PAVCO,JAMES MCSWIGGEN
CI2N15/09,A61K38/00,A61K48/00,A61P43/00,C12N5/10,PC
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Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Blatt,L., Zwick,M., Pavco,P. and Mcswiggen,J.
Regulation of repressor genes using nucleic acid molecules Patent: JP 2002541795-A 7234 10-DEC-2002;
RIBOZYME PHARMACEUTICALS INC
                                                                              Regulation of repressor genes using nucleic acid molecules BD259441
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Location/Qualifiers
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/db xref="taxon:32644"
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/organism="Homo sapiens"
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(C12NS/00,C12R1:91)
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JP 2002541795-A/7234.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
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Shannon,M.E.
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Aeomica, Inc. (US)
Location/Qualifiers
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Patent: WO 0192524-A 435 06-DEC-2001;
Length 17;
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Similarity 87.5%; Pred. No. 2.5e+02;
14; Conservative 0; Mismatches 2;
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Sequence 435 from Patent W00192524.
CQ615695
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Sequence 930 from Patent WO0192524.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
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Location/Qualifiers
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CQ616190.1 GI:41666408
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                 Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 1953-A 1201 06-DEC-2001;
Aeomica. Inc. (958)
Location/Qualifiers
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Wyosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 1416 06-DEC-2001;
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Shannon,M.E.
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Sequence 1416 from Patent WO0192524.
CQ616676 GI:41666894
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/mol_type="unassigned DNA"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon, M.E.
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Acomica, Inc. (US)
Location/Qualifiers
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 1200 06-DEC-2001;
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87.5%; Pred. No. 2.5e+02;
Live 0; Mismatches 2; Indels
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                                              Sequence 932 from Patent W00192524. CQ616192.1 GI:41666410
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CQ616461.1 GI:41666679
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Matches 14; Conserv
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CQ616460/c
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CQ616461/c
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                 RESULT 353
CQ616192
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
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Shannon,M.E.
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Aeomica, Inc. (US)
Location/Qualifiers
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Patent: WO 0192524-A 1648 06-DEC-2001;
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Best Local Similarity 87.5%; Fred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 1648 from Patent WO0192524.
CQ616908
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CQ616906.1 GI:41667124
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                  495 GGCGCTGGTGACCTGG
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CQ617549/c.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Patent: WO 0192524-A 1535 06-DEC-2001;
                                                                                                      Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Patent: WO 0192524-A 1537 06-DEC-2001;
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Sequence 1537 from Patent WO0192524.
CQ616797.1 GI:41667015
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Sequence 1535 from Patent WO0192524.

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Location/Qualifiers
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Best Local Similarity 87.54
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 2289 06-DEC-2001;
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Patent: WO 0192524-A 2301 06-DEC-2001;
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 Sequence 2289 from Patent W00192524.

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Location/Qualifiers
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Location/Qualifiers
                   CQ617549
CQ617549.1 GI:41667767
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CQ617561/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E. Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 6545 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192254-A 6546 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: WO 0192524-A 6915 06-DEC-2001;
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87.5%; Pred. No. 2.5e+02;
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Sequence 6915 from Patent WO0192524.
CQ622175.1 GI:41672393
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Sequence 6546 from Patent WO0192524.
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Location/Qualifiers
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Location/Qualifiers
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REFERENCE AUTHORS

TITLE JOURNAL

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RESULT 367 CQ622177/c LOCUS

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8327 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Aeomica, Inc. (US)
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Sequence 8328 from Patent W00192524.
CQ623588.1 GI:41673806
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CQ623587.1 GI:41673805
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 019253-A 7706 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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                               Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Patent: WO 0192524-A 6917 06-DEC-2001;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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                              Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                              Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8328 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 8352 06-DEC-2001;
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Patent: WO 0192524-A 8351 06-DEC-2001;
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Sequence 8352 from Patent WO0192524.
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Sequence 8351 from Patent WO0192524.
                                                                                                                                                                                                organism="Homo sapiens"
|mol_type="unassigned DNA"
|db_xref="taxon:9606"

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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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CQ623612.1 GI:41673830
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                   Homo sapiens
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CQ623612/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 8361 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 019254-A 8362 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
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Sequence 8362 from Patent WO0192524.
CQ623622
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Seguence 8361 from Patent WO0192524.
CQ623621
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                                                               /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Inc. (US)
Location/Qualifiers
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Best Local Similarity 87.5%
Matches 14; Conservative
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Shannon,M.E.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9021 06-DEC-2001;
                                                                                                                                                                                                                                    Myosin-like gene expressed in human heart and muscle Patent: WO 0192524-A 9020 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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17 bp Di
Sequence 9020 from Patent W00192524.
CQ624280.
CQ624280.1 GI:41674498
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Sequence 9021 from Patent WO0192524.
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/mol_type="unassigned DNA"
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CQ624281.1 GI:41674499
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 8929 from Patent WO0192524.
CQ624189.1 GI:41674407
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Sequence 8928 from Patent WO0192524.
      0; Mismatches

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    /db_xref="taxon:9606"

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                                              798 CAGTTTCTCCAGCTAC 813
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Homo sapiens
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Homo sapiens
      14; Conservative
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 10672 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
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Shannon,M.E.
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Patent: WO 0192524-A 9830 06-DEC-2001;
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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CQ625090
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Location/Qualifiers
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Matches 14; Conservative
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CQ625090/c
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Myosin-like gene expressed in human heart and muscle
Patent: WO 019253-A 9829 06-DEC-2001;
Aeomica, Inc. (US)
Location/Qualifiers
                   Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9023 06-DEC-2001;
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Myosin-like gene expressed in human heart and muscle
Patent: WO 0192524-A 9025 06-DEC-2001;
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Location/Qualifiers
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Unclassified.

1 (bases 1 to 17)

Noeske-Jungblut, C., Haendler, B., Kraetzschmar, J.Reiner.,
Schleuning, W.-D., Alagon, A., Possani, L. and Cuevas-Aguirre, D.
Collagen-induced platelet aggregation inhibitor
Patent: US 572312-A 35 03-MAR-1998;
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Unclassified.
1 (bases 1 to 17)
1 (bases 1 to 17)
Draper, K.G., Pavco, P., McSwiggen, J., Gustofson, J. and Stinchcomb, D.T.
Method of reducing stromelysin RNA via ribozymes
Patent: US 5731295-A 455 24-MAR-1998;
Location/Qualifiers
                                                                                                                            Length 17;
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polynucleotide probes identified based on T.sub.m
Patent: US 5619612-A 284 17-JUN-1997;
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 455 from patent US 5731295.
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Sequence 35 from patent US 5723312.
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Draper, K.G., Pavco, P., McSwiggen, J., Gustofson, J. and Stinchcomb, D.T.
Stromelysin targeted ribozymes
Patent: Us 5612215-A 455 18-MAR-1997;
Location/Qualifiers
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Mitsuhashi, M. and Cooper, A.
Method for detecting polynucleotides with immobilized
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Mitsuhashi,M.
Fungal detection 99stem based on rRNA probes
Patent: US 5580971-A 284 03-DEC-1996;
Location/Qualifiers
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 284 from patent US 5580971.
130846
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Sequence 455 from patent US 5612215.
137442
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Sequence 284 from patent US 5639612.
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   17 GTGGCCATGCTGGCTG
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

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Location/Qualifiers
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Beigelman,L., Burgin,A., Beaudry,A., Karpeisky,A.,
Batulic-Adamic,J., Sweedler,D. and Zinnen,S.
Synthetic ribonucleic acids with RNAse activity
Patent: US 6528640-A 448 04-MAR-2003;
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Todd, A.V., Fuery, C.J. and Cairns, M.J.
Catalytic nucleic acid-based diagnostic methods
Patent: US 6361941-A 40 26-MAR-2002;
Location/Qualifiers
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
                                    Sequence 5681 from patent US 6346398. AR190193
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AR201825
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1 (bases 1 to 17)

1 (bases 1 to 17)

2 Acros, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 2567 20-MAY-2003;

Location/Qualifiers
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(I (bases 1 to 17)

PavCo, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

PavCo, P., McSwiggen, for the treatment of diseases or conditions
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 4768 20-MAY-2003;

Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
                                                                              Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2;
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87.5%; Pred. No. 2.5e+02;
cive 0; Mismatches 2;
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Sequence 4768 from patent US 6566127.
AR327366.1 GI:33713174
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Sequence 2567 from patent US 6566127.
AR325165
AR325165.1 GI:33710973
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Matches 14; Conservative
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Unknown.
Unclassified.
1 (bases 1 to 17)
1 (bases 1 to 17)
Pavco,P., McSwiggen,J.A., Stinchcomb,D.T. and Escobedo,J.
Patco,P., McSwiggen, T.A., Stinchcomb,D.T. and Escobedo,J.
Patch and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 4769 20-MAY-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

2 McSwiggen, J.A., Stinchcomb, D.T. and Bscobedo, J.

Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 4785 20-MAY-2003;

Location/Qualifiers
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Unclassified.

Unclassified.

(Loaes 1 to 17)

Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Pavco, P., McSwiggen, for the treatment of diseases or conditions
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 4786 20-MAY-2003;
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7.5%; Pred. No. 2.5e+02;
ve 0; Mismatches 2; Indels
             Sequence 4769 from patent US 6566127. AR327367
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/organism="unknown"
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Best Local Similarity 87.5%;
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Unclassified.
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I (bases I (bases)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.
Method and reagent for the treatment of diseases or conditions
related to levels of vascular endothelial growth factor receptor
Patent: US 6566127-A 6490 20-MAY-2003;
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                Unclassified.

1 (bases 1 to 17)

1 (bases 1 to 17)

2 Arco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. McHod and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 5.775 20-MAY-2003;

Location/Qualifiers
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0.8%; Score 12.8; DB 1;
87.5%; Pred. No. 2.5e+02;
ative 0; Mismatches 2;
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AR434332
LOCUS AR434332 17 bp DN
DBFINITION Sequence 755 from patent US 6656700.
/mol_type="genomic DNA"
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Best Local 14; Conservative
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Best Local Similarity 87.5
Matches 14; Conservative
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Unclassified.
1 (bases 1 to 17)
Habermann, P. and Wengenmayer, F.
Rusion protein comprising an interleukin-2 fragment ballast portion
Patent: US 5496924-A 10 05-MAR-1996;
Location/Qualifiers
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                                                                                                      Unclassified.

1 (bases 1 to 17)

Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J.

Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 6491 20-MAY-2003;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 (bases 1 to 17)
Pavco, P., McSwiggen, J.A., Stinchcomb, D.T. and Escobedo, J. Method and reagent for the treatment of diseases or conditions related to levels of vascular endothelial growth factor receptor Patent: US 6566127-A 6686 20-MAY-2003;
Location/Qualifiers
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Sequence 6686 from patent US 6566127.
AR329284.1 GI:33715092
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   AR329089 17 bp RN Sequence 6491 from patent US 6566127.
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Liarossa,R.A. and Wei,Y.
Method for high-density microarray medicated gene expression
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87.5%; Pred. No. 2.5e+02;
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Location/Qualifiers
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Sequence 1 from patent US 6607885.
AR381048
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/mol_type="genomic DNA"
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Gu, Y. and Shannon, M.E.
Isoforms of human pregnancy-associated protein-E
Patent: US 6656700-A 762 02-DEC-2003;
Location/Qualifiers
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Patent: US 6686188-A 434 03-FEB-2004;
Location/Qualifiers
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Sequence 435 from patent US 6686188.
AR456758
AR456758.1 GI:42691815
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Sequence 434 from patent US 6686188.
AR456757
AR456757.1 GI:42691814
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Seguence 762 from patent US 6656700.
AR434339
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Gu,Y. and Shannon,M.E.
180-Corms of human prequancy-associated protein-E
Patent: US 6656700-A 755 02-DEC-2003;
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Gu,Y. and Shannon,M.E.
Isoforms of human pregnancy-associated protein-E
Patent: US 655700-A 756 02-DEC-2003;
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 759 from patent US 6656700.
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/mol_type="genomic DNA"
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/mol_type="genomic DNA"
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1 (bases 1 to 17)

1 (A.Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Gu,Y., Ji,Y..
Shamon,M.E.
Shamon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 930 03 FEB-2004;
Location/Qualifiers
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1 (bases 1 to 17)

1 (bases 1 to 17)

2 'Y. Ji.Y., Penn.S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Shannon,M
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6. (bases 1 to 17)
6. (bases 1 to 17)
7. (benn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 435 03-FEB-2004;
Location/Qualifiers
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Sequence 932 from patent US 6686188.
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Seguence 930 from patent US 6686188.
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/mol_type="genomic DNA"
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6. (bases 1 to 17)
6. (bases 1 to 17)
7. (c) Fenn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
8. Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
8. (c) Feb. 1416 03-FEB-2004, Location/Qualifiers
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6. (bases I to 17)
6. (bases I to 17)
7. (c) Fenn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 417 03-FEB-2004;
Location/Qualifiers
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed
predominantly in heart and muscle
Patent: US 6686188-A 1535 03-FEB-2004;
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AR457858
 AR457739
AR457739.1 GI:42692796
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Olymucleovide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 1537 03-FEB-2004;
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tive 0; Mismatches 2;
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 1646 from patent US 6686188.
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AR457860.1 GI:42692917
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AR457969.1 GI:42693026
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4 (bases 1 to 17)
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Location/Qualifiers
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Matches 14; Conservative 0; Mismatches 2;
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                          AR457971 17 bp DNA Sequence 1648 from patent US 6686188.
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AR458612.1 GI:42693669
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,W.E.
Pabannon,W.E.
Polymucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6545 03-FEB-2004;
Location/Qualifiers
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 2301 03-FEB-2004; Location/Qualifiers
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tive 0; Mismatches 2; Indels
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/wol_type="genomic DNA"
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1 (bases 1 to 17)
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6 (bases 1 to 17)
7 (ban, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shamon, M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 7706 03-FEB-2004;
Location/Qualifiers
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Unclassified.
1 (bassa 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2; Indels
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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Sequence 8327 from patent US 6686188.
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/organism="unknown"
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AR464030.1 GI:42699087
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1 (bassi 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Shannon,M.E.
Polynuclectide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6915 03-FEB-2004;
Location/Qualifiers
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1 (bases 1 to 17)

1 (bases 1 to 17)

Shannon, M.E.

Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 6917 03-FEB-2004;
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Sequence 7706 from patent US 6686188.
AR464029.1 GI:42699086
                                                                                             Sequence 6915 from patent US 6686188.
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16 CCACCTGCCCCAGGCT
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AR464685/c
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Unclassified...
Unclassified...
Unclassified...
(b. (base) 1 to 17)
Gu, Y., Ji, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
Shannon, M.E.
Dolynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8351 03-FEB-2004;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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tive 0; Mismatches 2; Indels
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Sequence 8352 from patent US 6686188.
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                                                                                                                                      Sequence 8328 from patent US AR464651 GI:42699708
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                                         1067 TTGCCTTCCTCCATTG 1082
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AR464674/c
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AR464651/c
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AR464675/c
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Unclassified.

1 (bases 1 to 17)

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle
Patent: US 6686188-A 8362 03-FEB-2004;
Location/Qualifiers

1. .17
                                                                                                             Polynucieotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8352 03-FBB-2004; Location/Qualifiers
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Unknown.
Unclassified.
1 (bassal to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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AR464684
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Sequence 8362 from patent US 6686188.
AR464685
AR464685.1 GI:42699742
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PAT 20-PEB-2004

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RESULT 435

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SOURCE ORGANISM

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linear PAT 20-FEB-2004
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
Shannon,M.E.
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1 (bases 1 to 17)

1 'Y. Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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Sequence 9023 from patent US 6686188.
AR465346
                  AR465343 17 bp DNA Sequence 9020 from patent US 6686188.
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Sequence 9021 from patent US 6686188.
AR465344
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                                                        AR465343.1 GI:42700400
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AR465344/c
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Unclassified.

Unclassified.

Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.

Polynuclede encoding a human myosin-like polypeptide expressed predominantly in heart and muscle

Patent: US 6686188-A 8929 03-FEB-2004;
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Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 6686188-A 8928 03-FEB-2004;

Location/Qualifiers
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Sequence 8929 from patent US 6686188.
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/organism="unknown"
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AR465252.1 GI:42700309
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PAT 16-SEP-2000
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                                                                                                                                                                                           Unclassified.

1 (Dases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and Shannon,M.E.
Polynucleotide encoding a human myosin-like polypeptide expressed predominantly in heart and muscle Patent: US 668188-A 9810 01-FEB-2004;
Location/Qualifiers
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Unclassified.
1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
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Sequence 10672 from patent US 6686188.
AR466995
AR466995.1 GI:42702052
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Sequence 9830 from patent US 6686188.
AR466153
AR466153.1 GI:42701210
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/organism="unknown"
/mol_type="genomic DNA"
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Location/Qualifiers
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1 (bases 1 to 17)
Gu,Y., Ji,Y., Penn,S.G., Hanzel,D.K., Rank,D.R., Chen,W. and
                                                                                                                                                                                                                                                                                                                                                                                                                   Unclassified.

1 (base 1 to 17)

Gu, Y., Jai, Y., Penn, S.G., Hanzel, D.K., Rank, D.R., Chen, W. and Shannon, M.E.
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   predominantly in heart and muscle
JOURNAL Patent: US 6686188-A 9023 03-FEB-2004;
ATURES Location/Qualifiers
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         Gros,J., Strosberg,A.D. and Gerhardt,C.
Method for producing adipocytes from non-differentiated fibroblasts
and use of resulting adipocytes
Patent: WO 0037607A $ 5.29-UN-2000;
GROS JEROME (FR) ; CENTRE NAT RECH SCIENT (FR) ; STROSBERG ARTHUR
DONNY (FR) ; GERHARDT CINDERELLA (NL)
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A method for high-density microarray mediated gene expression
profiling
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E.I. DU PONT DE NEMOURS AND COMPANY (US)
Location/Qualifiers
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ESRICH MICHAEL (DE)
Location/Qualifiers
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Sequence 15 from Patent DE19855469.
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Sequence 1 from Patent W00129261
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 740 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
Location/Qualifiers
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Patent: WO 0159103-4 78 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US)
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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87.5%; Pred. No. 2.5e+02;
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Sequence 740 from Patent WO0159103.
AX215298.1 GI:15525341
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S24quence 78 from Patent WO0159103.
AX214636.1 GI:15524679
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     PAT 07-SEP-2001
                                                                                                                                                               Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 984 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0153103-A 2766 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US) ;
McSwiggen, James (US) ; Chowrira, Bharat M. (US)
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87.5%; Pred. No. 2.5e+02;
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/note="Nucleic Acid"
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/mol_type="unassigned RNA"
/db_xref="texon:32630"
/note="Nucleic Acid"
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Sequence 3142 from Patent W00159103.
AX217700 GI:15527761
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Sequence 2766 from Patent WO0159103.
AX217324
17 bp 1
Sequence 984 from Patent WO0159103.
AX215542
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                                                          AX215542.1 GI:15525585
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Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 155103-A 901 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                               Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and nogo gene expression
Patent: WO 0159103-A 900 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
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/organism="synthetic construct"
/mol_type="unassigned RNA"
/bo.xref="texon:32630"
/note="Nucleic Acid"
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                                                                                                                               Sequence 900 from Patent WO0159103.
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             CTGAGAGAGCTGTGC 754
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                            Blatt, L., Mcswiggen, J. and Chowrira, B.M.
Method and reagent for the modulation and diagnosis of cd20 and
nogo gene expression
Patent: WO 0159103-A 3142 16-AUG-2001;
RIBOZYMS PHARMACEUTICALA, INC. (US); Blatt, Lawrence (US);
McSwiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
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Patent: WO 0159103-A 3335 16-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US) ; Blatt, Lawrence (US)
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RIBOZYME PHARMACCUTCALS, INC. (US); Blatt, Lawrence (US)
MCSWiggen, James (US); Chowrira, Bharat M. (US)
Location/Qualifiers
1. 17
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                          'note="Nucleic Acid"
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artificial sequences.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Targeted chromosomal genomic alterations with modified single
stranded oligonucleotides
Patent: WO 0173002-A 1419 04-OCT-2001;
UNIVERSITY OF DELAWARE (US)
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Targeted chromosomal genomic alterations with modified single
stranded oligonucleotides
Patent: WO 0173002-A 1420 04-OCT-2001;
UNIVERSITY OF DELAMARE (US)
Location/Qualifiers
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Pred. No. 2.5e+02;
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AX264028
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Sequence 1420 from Patent WO0173002.
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    /organism="Homo sapiens"

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AX264029.1 GI:16512828
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DEFINITION ACCESSION VERSION

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Sequence 893 from Patent WO0162911.
AX273324
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/mol_type="unassigned RNA"
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/db_xref="taxon:9606"
        17 bp 1
Sequence 891 from Patent WO0162911.
AX273322
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                                                                AX273322.1 GI:16546059
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of grid
Patent: WO 0162911-A 245 30-AUG-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Method and reagent for the inhibition of grid
Patent: WO 0162911-A 243 30-AUG-2001;
RIBOZYME PHARMACENICALS, INC. (US); GLAXO GROUP LIMITED (GB)
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Sequence 243 from Patent WO0162911.
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Sequence 245 from Patent W00162911.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the inhibition of grid
Patent: WO 0162911-A 893 30-AUG-2001;
RIBOZYME PHRAMACEUTICALS, INC. (US) ; GLAXO GROUP LIMITED (GB)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                Jarvis, T., von Carlowitz, I., Mcswiggen, J.A., Hamblin, P.A. and Ellis, J.H.
Method and reagent for the inhibition of grid
Patent: WO 0162911-A 891 30-AUG-2001;
RIBOZYME PHRAMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 545 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
LOCATION/QUalifiers
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 546 22-NOV-2001;
RIBOZYME PHARMACELS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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Method and reagent for the inhibition of erg
Patent: WO 0188124-A 146 22-NOV-2001;
RIBOZYME PHARMACEUTICALS, INC. (US); GLAXO GROUP LIMITED (GE
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   Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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/mol_type="unassigned RNA"
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Sequence 545 from Patent WO0188124.
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/mol_type="unassigned RNA"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Method and reagent for the inhibition of erg
Patent: WO 188124-A 1382 22-NOV-2001;
RIBOZYME PHARMACECTICALS, INC. (US); GLAXO GROUP LIMITED (GB)
Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
tive 0; Mismatches 2;
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/mol_type="unassigned RNA"
/db_xref="taxon:9606"
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KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS JOURNAL FEATURES

RESULT 467 AX499274/c LOCUS

DEFINITION

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PAT 22-NOV-2002
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Homo sapiens
Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: BP 1239051-A 421 11-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: BP 1239051-A 108 11-SEP-2002;
Acomica, Inc. (US)
Location/Qualifiers
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Patent: EP 1239051-A 109 11-SEP-2002;
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AX530912.
AX530912.1 GI:25253616
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Sequence 109 from Patent EP1239051.
AX530600.
AX530600.1 GI:25253007
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Location/Qualifiers
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Best Local Similarity 87.5
Matches 14; Conservative
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AX530600/c
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AX530912
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Patent: EP 1229046-A 581 07-AUG-2002;
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Sequence 108 from Patent EP1239051.
AX530599 AX530599.1 GI:25253005
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Sequence 582 from Patent EP1229046.
AX499275

    .17
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Location/Qualifiers
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Homo sapiens
     16 CCATCTACCAGCTGTT
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DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

REFERENCE AUTHORS TITLE JOURNAL

FEATURES

AX530599/c LOCUS DEFINITION ACCESSION VERSION KEYWORDS

RESULT 469

RESULT 468 AX499275/c LOCUS

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Gaps

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PAT 22-NOV-2002

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Homo sapiens
Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10
Patent: EP 1243660-A 193 25-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
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Sequence 1523 from Patent EP1239051.
AX532014
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Patent: EP 1239051-A 1523 11-SEP-2002;
Acomica, Inc. (US)
Location/Qualifiers
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Sequence 194 from Patent EP1243660.
AX544681
AX544681.1 GI:25809892
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Homo sapiens
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Matches 14; Conserv
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AX544680/c
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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                                                                 Query Match
0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Patent: EP 1239051-A 1521 11-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Patent: EP 1239051-A 423 11-SEP-2002;
Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 1521 from Patent EP1239051.
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Sequence 423 from Patent EP1239051.
AX530914
AX530914.1 GI:25253620
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    /mol_type="unassigned DNA"
    /db_xref="taxon:9606"

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/mol_type="unassigned DNA"
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AX530914
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/db_xref="taxon:9606"
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AX579831/c
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
 Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Buteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase 10

Patent: EP 1243660-A 222 25-SEP-2002;

Aeomica, Inc. (US)

Location/Qualifiers
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Human udp-galnac.polypeptide n-acetylgalatosaminyltransferase 10
Patent: EP 1243660-A 220 25-SBP-2002;
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                                               Zhang,J., Gu,Y. and Nguyen,C.T.
Human udp-galnac:polypeptide n-acetylgalatosaminyltransferase
Patent: EP 1243660-A 194 25-SBP-2002;
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Sequence 220 from Patent BP1243660.
AX544707
                                                                                                                                                  /organism="Homo sapiens"
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Location/Qualifiers
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AX544707/c
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Thompson, J., Mcswiggen, J., Mckenzie, T., Ayers, D., Szymkowski, D.E. and Grupe, A.
Method and reagent for the inhibition of calcium activated chloride channel-1 (clca-1)
Patent: WO 0211674-A 1669 14-FEB-2002;
RIBOZYME PHARMACEUTICALS, INC. (US); Syntex (U.S.A.) LLC (US);
Thompson, James (US)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Method and reagent for the inhibition of calcium activated chloride channel-1 (clca-1)
Patent: WO 0211674-A 696 14-FEB-2002;
RIBOZYME PHARMACEUTGALS, INC. (US); Syntex (U.S.A.) LLC (US);
Thompson, James (US)
Location/Qualifiers
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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  Length 17;
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0.8%; Score 12.8; DB 1; Length 1
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                  Indels
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ch 0.8%; Score 12.8; DB 1; Similarity 87.5%; Pred. No. 2.5e+02; 14; Conservative 0; Mismatches 2;
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AX579831.1 GI:27649033
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AX578858
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RESULT 481 AX580241/c

REFERENCE AUTHORS

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PAT 20-FEB-2003
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Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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87.5%; Pred. No. 2.5e+02;
trive 0; Mismatches 2;
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Patent: EP 1262488-A 301 04-DEC-2002;
Aeomica, Inc. (US)
Location/Qualifiers
                                                                                                                                                                     Gu,Y. and Nguyen,C.T.
Human lccl-domain containing protein
Patent: EP 1262488-A 138 04-DEC-2002;
Aeomica, Inc. (US)
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Human lccl-domain containing protein
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Sequence 302 from Patent EP1262488.
AX615495

    .17
    /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"

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Sequence 301 from Patent EP1262488.
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
Sequence 138 from Patent EP1262488.
AX615331
                                              AX615331.1 GI:28446230
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AX615494.1 GI:28446540
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AX615495/c
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AX615494/c
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Patent: WO 0211674-A 2079 14-FEB-2002;
RIBOZYME PHARMAGEUTICALS, INC. (US) ; Syntex (U.S.A.) LLC (US) ;
Thompson, James (US)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                           Thompson, J., Mcswiggen, J., Mckenzie, T., Ayers, D., Szymkowski, D.E. and Grupe, A.
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Geobacillus stearothermophilus
Bacteria; Firmicutes; Bacillales; Bacillaceae; Geobacillus.
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/mol_type="unassigned DNA"
/db_xrefe"taxon:1422"
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 2079 from Patent WO0211674.
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Detection of spore forming bacteria
Patent: WO 02092853-A 20 21-NOV-2002;
HERCULES INCORPORATED (US)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /mol_type="unassigned RNA" /db_xref="taxon:9606"
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AX580241.1 GI:27649443
                          1287 CTCCGCAGTGGCCCAT 1302
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RESULT 483 AX615331 LOCUS

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AX634793/c
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Karpelsky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J.,
Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.W.,
Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and
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                                                                                                                              Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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   Patent: EP 1262488-A 302 04-DEC-2002;
                                                                                                                                                                                                                                                                                                         17 bp R1
Sequence 1630 from Patent EP1260586.
AX634491.1 GI:28470105
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                    Inc. (US)
Location/Qualifiers
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AX634525/c
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AX634491/c
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Stinchcomb,D.T., Dudycz,L.W., Chowrira,B., Grimm,S., Direnzo,A., Karpeisky,A., Draper,K.G., Kisich,K., Matulic-Adamic,J., Mcswiggen,J.A., Modak,A., Pavco,P., Beigelman,L., Sullivan,S.M., Sweedler,D., Thompson,J.D., Tracz,D., Usman,N., Wincott,F.E. and Woolf,T.
Method and reagent for inhibiting the expression of disease related
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                      Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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87.5%; Pred. No. 2.5e+02;
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Seguence 1932 from Patent EP1260586.
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Sequence 116 from Patent EP1273660.
AX648276
AX648276.1 GI:29151094
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/organism="Homo sapiens"
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    1.17
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and their use as medicines
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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87.5%; Pred. No. 2.5e+02;
Ative 0; Mismatches 2;
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Sequence 3202 from Patent WO03004526.
AX674757
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
                                       AX672554 17 bp DN
Seguence 999 from Patent WO03004526.
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AX672554.1 GI:29330902
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Homo sapiens
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Best Local Similarity 87.57
Matches 14; Conservative
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 547 from Patent WO03004526.
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/mol_type="unassigned DNA"
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                             Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                Shannon, M., Gu, Y. and Nguyen, C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Sequence 4542 from Patent EP1281758.
AX691810 GI:29414751
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                                                                                                                             Patent: EP 1281758-A 3425 05-FEB-2003;
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo
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87.5%; Pred. No. 2.5e+02;
rative 0; Mismatches 2; Indels
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
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Aeomica, Inc. (US)
Location/Qualifiers
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Sequence 4543 from Patent EP1281758.
AX691811

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Location/Qualifiers
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Matches 14; Conservative

8 윱 Homo sapiens (human)

DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM

RESULT 499 AX692480/c

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Homo sapiens

REFERENCE AUTHORS TITLE

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PAT 31-MAR-2003
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Homo sapiens
Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                                Shannon, M., Gu, Y. and Nguyen, C.T.
Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
17 bp DNA
Sequence 6212 from Patent EP1281758.
AX693480
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Aeomica, Inc. (US)
Location/Qualifiers
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/organism="Homo sapiens"
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Location/Qualifiers
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AX693482
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Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
mdz12
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequence 6211 from Patent EP1281758.
AX693479
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Sequence 5212 from Patent EP1281758.
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          0; Mismatches
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Location/Qualifiers
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Location/Qualifiers
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AX692480.1 GI:29415438
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RESULT 500 AX693479 LOCUS DEFINITION

Homo sapiens (human)

ACCESSION VERSION KEYWORDS SOURCE ORGANISM

Homo sapiens

Aeomica, mdz12

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Mus musculus
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
               Shannon, M., Gu, Y. and Nguyen, C.T. Four human zinc-finger-containing proteins : mdz3, mdz4, mdz7 and
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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                                                             Patent: EP 1281758-A 6214 05-FEB-2003;
Aeomica, Inc. (US)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 172 from Patent WO03025176.

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Sequence 28 from Patent WO03025176.
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Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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1 Similarity 87.5%; Pred. No. 2.5e+02;
14; Conservative 0; Mismatches 2;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Seguence 238 from Patent WO03025176.
AX722551
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                    /mol_type="unassigned DNA"/db_xref="taxon:10090"
organism="Mus musculus"
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Eukaryota, Retazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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87.5%; Pred. No. 2.5e+02;
ative 0; Mismatches 2;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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                                    AX724110 1797 from Patent WO03025176.

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/db_xref="taxon:10090"

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/mol_type="unassigned DNA"
/db_xref="taxon:10090"
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus.
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
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Sequence 1545 from Patent WO03025176.
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Sequence 646 from Patent WO03025176.

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/mol_type="unassigned DNA"
/db_xref="taxon:10090"

 Mismatches
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Mus musculus
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AX722959.1 GI:30423460
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Mammalia, Butheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Mammalia, Eutheria, Rodentia, Sciurognathi, Muridae, Murinae, Mus
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 2975 from Patent WO03025176.
AX725288
                                                                                                                                                                                                                                               /organism="Mus musculus"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"
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/mol_type="unassigned DNA"
/db_xref="taxon:10090"
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       Mus musculus (house mouse)
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AX725288/c
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Eukaryota, Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or virus resistance and their use as medicines wo 03025176-A 3861 27-MAR-2003;
Molecular Engines Laboratories (FR)
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87.5%; Pred. No. 2.5e+02;
trive 0; Mismatches 2; Indels
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2
medicines
Patent: WO 03025176-A 2975 27-WAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 3049 from Patent WO03025176.
AX725362
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/db_xref="taxon:10090"
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Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 3873 from Patent WO03025176.
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/db_xref="taxon:9606"
/mol_type="unassigned DNA"
/db_xref="taxon:10090"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 03025177A 165 27-MAR-2003;
Molecular Engines Laboratories (FR)
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87.5%; Pred. No. 2.5e+02;
ative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                             Patent: WO 03025175-A 2659 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
AX731025 17 bp DNA Sequence 2659 from Patent W003025175. AX731025
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /organism="Homo sapiens"
/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db xref="taxon:9606"
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                    Telerman, A., Amson, R. and Tuijnder, M. Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments Patent: WO 0302517-A 976 27-MAR-2003; Molecular Engines Laboratories (FR)
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptocisis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 3032177-A 1278 27-WAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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87.5%; Pred. No. 2.5e+02;
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
                                                                                                                                                                                            Telerman, A., Amson, R. and Tuijnder, M. Squences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicaments
Patent: WO 03025177-A 749 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Patent: WO 03025177-A 973 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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AX735159 17 bp D1
Sequence 749 from Patent WO03025177.
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/db_xref="taxon:9606"
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/organism="Homo sapiens"
                                                        AX735159.1 GI:30514436
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Best Local Similarity 87.5%;
Matches 14; Conservative
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicamente and an edicamente and o30221777-A 1880 27-WAR-2003; Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequences involved in phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses and the use thereof as medicamente.
Patent: WO 03022177-A 2209 27-WAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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                                                                                                                                  Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Patent: WO 03025177-A 1326 27-MAR-2003;
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 2209 from Patent W003025177.
AX736619
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Homo sapiens
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Best Local Similarity
Matches 14; Conserve
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AX736290
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AX736619
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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87.5%; Pred. No. 2.5e+02;
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Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2;
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87.5%; Pred. No. 2.5e+02;
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A human G protein coupled receptor
Patent: WO 03031621-A 40 17-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Patent: WO 0301621-A 39 17-APR-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Sequence 40 from Patent WO03031621.
AX744075
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Sequence 39 from Patent WO03031621.
AX744074
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/db_xxef="taxon:9606"
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
         Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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87.5%; Pred. No. 2.5e+02;
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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Location/Qualifiers
           17 bp DNA
Sequence 645 from Patent W003040369.
AX757324
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Molecular Engines Laboratories (FR)
Location/Qualifiers
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Sequence 2657 from Patent WO03040369.
AX759336
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AX782025/c
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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                                                                                                                                            Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 2.5e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Patent: WO 03050284-A 233 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
medicines
Patent: WO 03040369-A 3433 15-MAY-2003,
Molecular Engines Laboratories (FR)
Location/Qualifiers
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Molecular Engines Laboratories (FR)
Location/Qualifiers
                                                                                                                                                                                                                                                                                                               Sequence 3954 from Patent W003040369.
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/db_xref="taxon:9606"

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/mol_type="unassigned DNA"
/db_xref="taxon:9606"
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AX760633
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Patent: WO 03050284-A 234 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Patent: WO 03050284-A 356 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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Best Local Similarity 87.5%; Pred. No. 2.5e+02;
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87.5%; Pred. No. 2.5e+02;
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0.8%; Score 12.8; DB 1;
87.5%; Pred. No. 2.5e+02;
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Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                     Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                 Guo, J.
Human prostate cancer candidate protein 1
Human prostate cancer candidate protein 1
Patent: WO 03050284-A 358 19-JUN-2003,
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
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    DNA
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Sequence 1932 from Patent WO03050284.
AX783601
   AX782027 17 bp DN
Sequence 358 from Patent WO03050284.
AX782027
AX782027.1 GI:32949876

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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Butheria; Primates; Catarrhini; Hominidae; Homo.
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Human prostate cancer candidate protein 1
Human prostate 2408 19-JUN-2003;
Patent: WO 03050284-A 2408 19-JUN-2003;
Amersham Biosciences (SV) Corp. (US)
Location/Qualifiers
Human prostate cancer candidate protein 1 Patent: WO 03050284-A 1932 19-JUN-2003; Amersham Biosciences (SV) Corp. (US)
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87.5%; Pred. No. 2.5e+02;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.5e+02;
Matches 14; Conservative 0; Mismatches 2;
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Sequence 2409 from Patent WO03050284.
AX784078
AX784078.1 GI:32951927

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/db_xref="taxon:9606"
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Kit and method for determining HLA type
Patent: WO 0192572-A 212 06-DEC-2001;
NISSHINBO INDUSTRIES INC, SYSTEM RESEARCH INC, HIDETOSHI INOKO, TAEKO
KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO
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Patent: WO 0192572-A 725 06-DEC-2001;
NISSHINBO INDUSTRIES INC, SYSTEM RESEARCH INC, HIDETOSHI INOKO, TA
KAGIYA, TATSUO ICHIHARA, YOSHIYUKI MATSUMURA, SHOGO MORIYA, MICHIO
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artificial sequences.
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Inoko, H., Kagiya, T., Ichihara, T., Matsumura, Y., Moriya, S. and Mishida, M.
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GENERAL INFORMATION:
APPLICANT: ROSADME M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REPERBNCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 15
LENGTH: 20
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Publication No. US20030096772A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXIFILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 16
LENGTH: 20
                                                                APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTHERNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXIFILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2011-07-30
NUMBER OF SEQ ID NOS: 65
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100.0%; Pred. No. 55;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 20;
55;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.3%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 55; Matches 20; Conservative 0; Mismatches
Sequence 14, Application US/09918026A Publication No. US20030096772A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-918-026A-15/c
; Sequence 15, Application US/09918026A
; Publication No. US20030096772A1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: PCR Primer US-09-918-026A-14
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Matches 20; Conservative
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US-09-918-026A-16/c
                                                                                                                                                                                                                                                                                             SEQ ID NO 14
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Publication No. US20030096772A1

GENERAL INFORMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Rosanne M. Landam

APPLICANT: Kristina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588

CURRENT APPLICATION NUMBER: US/09/918,026A

CURRENT FILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 4

LENGTH: 21
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GENERAL INFOGRATION:
GENERAL INFOGRATION:
APPLICANT: Chakravarti, Aravinda
APPLICANT: Chakravarti, Aravinda
APPLICANT: Case Western Kenneth
APPLICANT: Case Western Kenneth
APPLICANT: Affymetrix, Inc.
ITILE OF INVENTION: POlymorphisms Associated With
ITILE OF INVENTION: POlymorphisms Associated With
ITILE OF INVENTION: Hypertension
FILE REFERENCE: 018547-034210US
CURRENT APPLICATION NUMBER: US/10/336,638
CURRENT FILING DATE: 2003-01-02
PRIOR FILING DATE: 1999-05-03
PRIOR FILING DATE: 1999-05-03
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US/09/304,232
PRIOR FILING DATE: EARLIER FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 909
SOFTWARE: PastSEQ for Windows Version 3.0
LENGTH: 29
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1.4%; Score 21.8; DB 1; Length 29;
Best Local Similarity 85.2%; Pred. No. 65;
Matches 23; Conservative 1; Mismatches 3; Indels
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          CTACGTGTATCAGGATGGGCTGCGG 25
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ORGANISM: Artificial Sequence
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                                                                                                                                                                 Publication No. US2 GENERAL INFORMATION
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US-09-918-026A-14/c
                                                                                                                 US-10-336-638-370
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Sequence 19, Application US/09918026A
| Sequence 19, Application US/09918026A
| Publication No. US20030096772A1
| Publication No. US20030096772A1
| Sequence 19, Application No. US20030096772A1
| GENERAL INFORMATION:
| APPLICANT: Rosanne M. Crooke
| APPLICANT: Mark J. Graham
| APPLICANT: Kristina M. Lemonidis
| TILLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
| TILLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
| CURRENT APPLICATION NUMBER: US/09/918,026A
| CURRENT FILING DATE: 2001-07-30
| NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ROBERTON MARK J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIERNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
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100.0%; Pred. No. 55;
tive 0; Mismatches
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.3%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 55; Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 20, Application US/09918026A, Publication No. US20030096772A1, GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.C
Matches 20; Conservative
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: 1SPH-0588
CURRENT FILING DATE: 2001-07-30
WUMBER OF SEQ ID NOS: 65
LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 17
LENGTH: 20
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1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                             1.3%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 55; 0; Indels cive 0; Mismatches 0; Indels
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; Sequence 18, Application US/09918026A
; Publication No. US20030096772A1
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ORGANISM: Artificial Sequence
TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                 ; OTHER INFORMATION: PCR Probe US-09-918-026A-16
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                                                                                                                                                   Query Match 1.3
Best Local Similarity 100.
Matches 20; Conservative
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%Sequence 24, Application US/08918026A

Sequence 24, Application US/08918026A

PUBLication No. US20030096772A1

PUBLICANT: NOBERMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

APPLICANT: Mark J. Graham

APPLICANT: Mark J. Graham

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI

FILE REFERENCE: ISPH-0588

CURRENT APPLICATION UNMBER: US/09/918,026A

CURRENT APPLICATION UNMBER: 2011-07-30

NUMBER OF SEQ ID NOS: 65
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| Sequence 25, Application US/09918026A
| Sequence 25, Application No. US20030096772A1
| Publication No. US20030096772A1
| GENERAL INFORMATION:
| APPLICANT: Rosanne M. Crooke
| APPLICANT: Kristina M. Lemonidis
| APPLICANT: Kristina M. Lemonidis
| TITLE OF INVENTION: ANTIERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
| TITLE OF INVENTION: NUMBER: US/09/918,026A
| CURRENT APPLICATION NUMBER: US/09/918,026A
| CURRENT PILING DATE: 2001-07-30
| NUMBER OF SEQ ID NOS: 65
| SEQ ID NO 25
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Sequence 26, Application US/09918026A

Publication No. US20030096772A1

GENERAL INFORMATION:
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                   561 GIGGCCAGGGCCACCTGGA 580
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 100.0
Matches 20; Conservative
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Sequence 22, Application US/09918026A

Sequence 22, Application No. US20030096772A1

Sequence 22, Application No. US20030096772A1

SEQUENCE 22, Application No. US20030096772A1

SEQUENCE 22, Application No. USCOKE

SEQUENCE 22, APPLICANT: Rosanne M. Crooke

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Garham

APPLICANT: Mark J. Garham

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

TITLE OF INVENTION UNMERR: US/09/918,026A

CURRENT PILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NOS: 65

LENGTH: 20
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Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICONT: Kristina M. Lemonidis
TILE COPINVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 PILE REPERENCE: ISPH-0588
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1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                          Length 20;
                                                                                                                                                                                                                                                                                       0; Indels
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                                                                                                                                                                    , OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-21
                                                                                                                                                                                                                                       1.3%; Score 20; DB 100.0%; Pred. No. 55; Live 0; Mismatches
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2001-07-30
65
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                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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Matches 20; Conservative
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CURRENT FILING DATE:
NUMBER OF SEQ ID NOS:
SEQ ID NO 21
LENGTH: 20
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US-09-918-026A-23/c
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION WUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TITLE OF INVENTION: UNBER: US/09/918,026A
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILLING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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                         Length 20;
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55;
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                            Query Match 1.3%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 55; Matches 20; Conservative 0; Mismatches
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100.0%; Pred. No. 55;
ive 0; Mismatches
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; Sequence 29, Application US/09918026A
; Publication No. US20030096772A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 30, Application US/09918026A Publication No. US20030096772A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                           US20030096772A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Rosanne M. Crooke
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Best Local Similarity 100.
Matches 20; Conservative
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Best Local Similarity
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LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0568
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 27
LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 26
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1.3%; Score 20; DB 1;
Best Local Similarity 100.0%; Pred. No. 55;
Matches 20; Conservative 0; Mismatches
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-26
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US-09-918-026A-27
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100.0%; Pred. No. 55;
tive 0; Mismatches
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; Sequence 28, Application US/09918026A
; Publication No. US20030096772A1
; GENERAL INFORMATION:
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                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REPERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 35
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APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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Best Local Similarity 100.0%; Pred. No. 55;
Matches 20; Conservative 0; Mismatches
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Best Local Similarity 100.0%; Pred. No. 55;
Matches 20; Conservative 0; Mismatches
                                                                                                             1.3%; Score 20; DB 1;
100.0%; Pred. No. 55;
tive 0; Mismatches
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            FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-33
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ) OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-34
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; Sequence 35, Application US/09918026A
; Publication No. US20030096772A1
; GENERAL INFORMATION:
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; Sequence 34, Application US/09918026A
; Publication No. US20030096772A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 20; Conservative
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Sequence 33, Application US/09918026A

Sequence 33, Application US/09918026A

Publication No. US20030096772A1

GENERAL INFORMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

CURRENT: APPLICATION NUMBER: US/09/918,026A

CURRENT PILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 33

LENGTH: 20

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LENGTH: 20

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  Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: ROSANNE N. Crooke
APPLICANT: Mark J. Graham
APPLICANT: MISSEL OF LANGE NOT TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXFILE REFERENCATION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXCURRENT APPLICATION UNMBER: US/09/918,026A
CURRENT FILLING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIENE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
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100.0%; Pred. No. 55;
tive 0; Mismatches
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COTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-32
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US-09-918-026A-31
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Best Local Similarity 100.C
Matches 20; Conservative
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Sequence 58, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
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Publication No. US20030092009A1
GENERAL INFORMATION:
APPLICANT: Kaia Palm
TITLE OF INVENITION: PROFILING TUMOR SPECIFIC MARKERS FOR THE
TITLE OF INVENITION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
FILE REFERENCE: CEMINES.002A
CURRENT APPLICATION NUMBER: US/09/992,665
CURRENT APPLICATION NUMBER: 60/249,508
PRIOR FILING DATE: 2000-11-16
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87.5%; Fred. No. 1e+02;
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                                                                                                               FEATURE:

COTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-65
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 70
LENGTH: 24
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100.0%; Pred. No.
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                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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  NUMBER OF SEQ ID NOS:
SEQ ID NO 65
LENGTH: 20
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Best Local Similarity
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US-09-992-665-70/c
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US-09-918-026A-36/C

US-09-918-026A-36/C

Sequence 36, Application US/09918026A

Publication No. US20030096772A1

SERBRAL INFORMATION:

APPLICANT: Research M. Crooke

APPLICANT: Mark J. Graham

CURRENT APPLICATION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

FILE REFERENCE: ISPH-0588

CURRENT APPLICATION NUMBER: US/09/918,026A

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 36

LENGTH: 20
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APPLICANT: Kristina M. Lemonidia
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
FILE REPERENCE: ISPH-0588
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APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: APTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
FILE REPERENCE: ISPH-0588
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55;
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55;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.3%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 55; Matches 20; Conservative 0; Mismatches
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Sequence 54, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: ROSENDE M. Crooke
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US-09-918-026A-65/c
US-09-918-026A-65/c
; Publication No. US20030096772A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McYNISSEY, Davo Reagent for Inhibiting Hepatitis B Virus Replication
FITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
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                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.1%; Score 18; DB
100.0%; Pred. No. 1.1
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; Sequence 12, Application US/09918026A; Publication No. US20030096772A1; GENERAL INFORMATION:
                                                        Sequence 57, Application US/09918026A Publication No. US20030096772A1 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Matches 18; Conserva
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US-09-918-026A-12/c
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US-09-877-478-846/c
                                            US-09-918-026A-57/c
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LENGTH: 21
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: 1SPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Trepicchio, William L.
APPLICANT: Stootwin, Domna K.
APPLICANT: Stootwin, Jennifer A.
CURRENT FILING DATE: 2003-11-21
PRIOR PLICATION NUMBER: US 60/459, 782
PRIOR APPLICATION NUMBER: US 60/427, 982
PRIOR FILING DATE: 2002-11-21
PRIOR FILING DATE: 2002-11-21
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Pred. No. 1.3e+02;
0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-52
0; Mismatches
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                                                                                                                                                                                 US-10-717-597-573/c
; Sequence 573, Application US/10717597
; Publication No. US20040110221A1
; GENERAL INFORMATION:
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                                              1133 ACCGGGACTGGTGGAACTC 1151
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SOFTWARE: Patentin version 3.2
SEQ ID NO 573
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Best Local Similarity 90.9
Matches 20; Conservative
    Matches 19; Conservative
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US-10-717-597-573
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Matches 19; Conserv
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APPLICANT: David, Morrissey
APPLICANT: Pamela, Pavoc
APPLICANT: Patrice, Lee
APPLICANT: Kenneth, Draper
APPLICANT: Riabbeth, Roberts
APPLICANT: Bliabbeth, Roberts
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: VIRUS REPLICATION
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TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
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CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US/10/669,841
FRIOR FILING DATE: 2003-09-23
PRIOR FILING DATE: 2003-09-26
PRIOR FILING DATE: 2003-09-26
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-26
PRIOR FILING DATE: 2002-03-21
PRIOR FILING DATE: 2002-03-31
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2000-03-36
PRIOR FILING DATE: 2000-03-26
PRIOR FILING DATE: 2000-01-2-48
PRIOR FILING DATE: 2000-01-2-48
PRIOR FILING DATE: 2000-01-2-48
PRIOR FILING DATE: 2000-01-2-48
PRIOR PRIOR DATE: 2000-01-2-48
PRIOR PRIOR DATE: 2000-01-2-48
PRIOR PRIOR DATE: 2000-01-2-48
PRIOR PLING DATE: 2000-01-3-18
PRIOR PRIOR DATE: 2000-01-3-18
PRIOR PLING DATE: 2000-01-3-3
PRIOR PLING DATE: 2000-01-3-3
PRIOR PLING DATE: 2000-01-3-3
                             Gaps
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Mismatches
                             Mismatches
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                                                                                                                                                                                                                                                                                                                Sequence 846, Application US/10669841
Publication No. US20040127446A1
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                                                                                            261 AGGTTCCTTGAGCAGGA 277
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; ORGANISM: Hepatitis B Virus
US-10-669-841-846
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         James, McSwiggen
David, Morrissey
Matches 17; Conservative
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Best Local Similarity
Matches 17; Conserva
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APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
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CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 09/877,478
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1999-11-08
PRIOR FILING DATE: 1999-11-08
FRIOR FILING DATE: 1999-11-08
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                                                                                                                                          PRIOR FILING DATE: 1932-0119
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1995-05-04
PRIOR PRIOR PRIOR DATE: 1995-05-04
                             CURRENT APPLICATION NUMBER: US/09/877,478
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Pred. No
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                                                                                         PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
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Publication No. US20040054156A1
GENERAL INFORMATION:
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100.0%; Pre
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; ORGANISM: Hepatitis B virus
US-10-342-902-846
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; ORGANISM: Hepatitis B virus
US-09-877-478-846
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Best Local Similarity 100.
Matches 17; Conservative
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Best Local Similarity
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE ON INVENTION: ANTISERSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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90.0%; Pred. No. 1.6e+02;
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90.0%; Pred. No. 1.6e+02;
tive 0; Mismatches 2;
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                                                                                                                                                                                                      US-09-918-026A-55/c
; Sequence 55, Application US/09918026A
; Publication No. US20030096772A1
; GENERAL INFORMATION:
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US-09-918-026A-64/c
Sequence 64, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
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                                        18; Conservative
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Matches 18, Conservative
                     Best Local Similarity
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                                      Matches
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US-09-918-026A-47/C
Sequence 47, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
APPLICANT: ROSANNE M. Crooke
APPLICANT: Mark J. Gardam
APPLICANT: Mark J. Gardam
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
CURRENT PELING DATE: 2001-07-30
CURRENT PELING DATE: 2001-07-30
SEQ ID NO 47
LENGTH: 20
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Publication No. US20030096772A1
GENERAL INCOMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIEBNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 |
FILE REPERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
NUMBER OF SEQ ID NOS: 65
SEQ ID NOS: 65
SEQ ID NOS: 65
SEQ ID NOS: 50
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US-09-918-026A-53
                                  CURRENT APPLICATION NUMBER: US/09/918,026A CURRENT FILING DATE: 2001-07-30 NUMBER OF SEQ ID NOS: 65 SEQ ID NO 46 LENGTH: 20
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                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                   FILE REFERENCE: ISPH-0588
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Matches 18; Conserv
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
FILE OF INVENTION: Gene Expression Using Short Interfering RNA
FILE OF INVENTION: Gene Expression Using Short Interfering RNA
FILE OF INVENTION WHORE: US/10/251,117
CURRENT APPLICATION NUMBER: US 60/339,924
FRIOR APPLICATION NUMBER: US 60/339,524
FRIOR FILING DATE: 2002-06-06
FRIOR APPLICATION NUMBER: US 60/359,580
FRIOR PILING DATE: 2002-06-06
FRIOR FILING DATE: 2001-07-25
FRIOR PRILING DATE: 2001-07-25
FRIOR PRILING DATE: 2001-06-06
FRIOR FILING DATE: 2001-06-06
FRIOR PRILOR P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense re
US-10-251-117-33
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1.0%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Fred. No. 1.6e+02;
Matches 17; Conservative 0; Mismatches 1;
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1.0%; Score 16.4; DB 1;
Best Local Similarity 83.3%; Pred. No. 1.6e+02;
Matches 15; Conservative 2; Mismatches 1;
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR PELING DATE: 2001-07-25
PRIOR FILING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR FILING DATE: 2001-06-06
NUMBER OF SEQ ID NOS: 1213
SOFTWARE: PATENTIN VETSION 3.0
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Publication No. US20040005584A1
GENERAL INFORMATION:
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Publication No. US20030170891A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                    SEQ ID NO 33
LENGTH: 19
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Publication No. US20030170891A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor FILE REFERENCE: 900/042 (MBHB02-468-A)
CURRENT APPLICATION NUMBER: US/10/251,117
CURRENT FILING DATE: 2003-02-24
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 |
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
LENGTH: 20
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Publication No. US20030219728A1

GENERAL INFORMATION:
APPLICANT: Terri H. Finkel

TITLE OF INVENTION: INFECTION AND METHODS OF USE THEREOF
FILE REFERENCE: THOROTON: INFECTION AND METHODS OF USE THEREOF
FILE REFERENCE: TOP0-0146

CURRENT APPLICATION NUMBER: US/10/368,803

CURRENT PILING DATE: 2003-02-19

PRIOR FILING DATE: 2003-02-19

NUMBER OF SEQ ID NOS: 20

SOFTWARE: FREUESE (or Windows Version 3.0)

SEQ ID NO 11

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 1.6e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                     ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-64
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1523 CTTTCTGGGGGCTGGTGACA 1542
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                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 18; Conserve
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US-10-368-803-11/c
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Sequence 144, Application US/10342902

Sequence 144, Application US/10342902

Publication No. US20040054156A1

GENERAL INFORMATION:
APPLICANT: Siran Therapeutics, Inc.
APPLICANT: Blat, Larry
APPLICANT: Blat, Larry
APPLICANT: Blat, Larry
APPLICANT: Blat, Larry
APPLICANT: Moswiggen, Jum
PAPLICANT: MOSWiggen, Jum
PRIOR EMERREE: 1001-01-01-01

CURRENT FILING DATE: 2001-06-08
PRIOR PLING DATE: 2000-08-09
PRIOR PLING DATE: 2000-08-09
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 1994-02-07
PRIOR PLING DATE: 1994-02-07
PRIOR PLING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PLING DATE: 1992-06-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PLING DATE: 1999-11-08
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TITLE OF INVENTION: OLICONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIES OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/04213
FILE REFERENCE: 2003-09-23
PRIOR APPLICATION NUMBER: US/1050/09187
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                                                             Gaps
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                                                             Indels
                                Pred. No. 1.5e+02;
                                                             Mismatches
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Dawrence, Blatt
APPLICANT: James, McSwiggen
APPLICANT: David, Morxissey
APPLICANT: Pamela, Pavco
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10.001; 4.
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                                                                                                                                    262 GGTTCCTTGAGCAGGA 277
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                                                                                                                                                                               17 GGTTCCTTGAGCAGGA 2
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; ORGANISM: Hepatitis B virus
US-10-342-902-144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Patrice, Lee
Kenneth, Draper
                                                             16; Conservative
                            Best Local Similarity
Matches 16; Conserva
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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j Sequence 144, Application US/09877478

j Sequence 144, Application US/09877478

j Sequence 144, Application NO. US2003068301A1

j APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Daylor Kenneth

APPLICANT: Daylor Method and Reagent for Inhibiting Hepatitis B Virus Replicant:

APPLICANT: McSwiggen, Jim

APPLICANT: MCSWigsen, Jim

APPLICANT: MCSWigsen, Jim

CURRENT FILING DATE: 2001-12-13

PRIOR APPLICATION NUMBER: US 09/636,385

PRIOR PLING DATE: 2000-03-20

PRIOR PLING DATE: 2000-03-20

PRIOR PLING DATE: 2000-03-20

PRIOR APPLICATION NUMBER: US 09/636,347

PRIOR APPLICATION NUMBER: US 09/636,347

PRIOR APPLICATION NUMBER: US 08/433,993

PRIOR PLING DATE: 1995-05-04

PRIOR PLING DATE: 1995-01-08

NUMBER OF SEQ ID NOS: 6566

SOFTWARE PARENT PARENT

PRIOR PLING DATE: 1995-01-08

NUMBER PER PRIOR PLING DATE: 1995-05-04

PRIOR PLING DATE: 1995-05-04

PRIOR PLING DATE: 1995-01-08

NUMBER OF SEQ ID NOS: 6566

SEQUENCE: APPLICATION NUMBER: US 08/436,430

PRIOR PLING DATE: 1995-01-08

NUMBER PER PRIOR PLING DATE: 1995-01-08

NUMBER PER PRIOR PLING DATE: 1995-01-08

NUMBER PER PRIOR PLING DATE: 1995-01-08

PRIOR PLING DATE: PRIOR PLING DATE: 1995-01-08

PRIOR PLING DATE: PRIOR PLI
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LOCATION: 1..20
CTHER INFORMATION: downstream amplification primer 99-3894 for SEQ 3864, in compleme US-10-349-143-11729
                                       APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, IJya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/349,143

CURRENT APPLICATION NUMBER: US/09/422,978

PRIOR APPLICATION NUMBER: US/09/422,978

PRIOR PILING DATE: 1999-10-20

PRIOR PILING DATE: 1999-10-20

PRIOR PPLING DATE: BARLIER PILING DATE: 1999-04-21

PRIOR PILING DATE: BARLIER FILING DATE: 1999-04-21

PRIOR PILING DATE: BARLIER FILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21

NUMBER OF SEQ ID NOS: 11796

; SEQ ID NO 11729
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Pred. No. 1.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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Best Local Similarity 94.4%;
Matches 17; Conservative (
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US-09-877-478-144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-877-478-144/c
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1.0%; Score 16; DB 1; Length 17;

Query Match

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INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS:
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Publication No. US20020039741A1
GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
Miraglia; Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
Activating Protein 1
                                                          PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR PLICATION NUMBER: US 60/337,055
PRIOR PELING DATE: 2001-12-05
PRIOR PELING DATE: 2002-02-02
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-12
PRIOR PLING DATE: 2000-03-13
PRIOR PLING DATE: 2000-01-03-26
PRIOR PLING DATE: 2000-01-03-26
PRIOR PLING DATE: 2000-01-03-18
PRIOR PLING DATE: 2000-07-07
PRIOR PLING DATE: 2000-03-13
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COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.0%; Score 16; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.5e+02; Matches 16; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
CITY: Marlton
STATE: NJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 810-1515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PS/2
OPERATING SYSTEM; WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/923,517
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>
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APPLICATION NUMBER: 09/364,416
FILING DATE: 1999-07-30
ATTORNEY/AGENT INFORMATION:
2002-03-26
NUMBER: US 60/296,876
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            , ORGANISM: Hepatitis B Virus US-10-669-841-144
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US-09-918-026A-56/c

Sequence 56, Application US/09918026A

Publication No. US20030096772A1

GRNERAL INFORMATION:
APPLICANT: Rosanne M. Crooke

APPLICANT: Rristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
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                                                                                                                                                                                  Length 20
                                                                                                                                                                                                                                          2; Indels
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                                                                                                                                                                                Score 15.8; DB 1;
Pred. No. 2.1e+02;
0; Mismatches 2;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Fred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Concilin, Darrell C.
APPLICANT: Grant, Francis J.
APPLICANT: Stxon, Mark W.
APPLICANT: Kindsvogel, Wayne
TITLE OF INVENTION: Interferon-epsilon
FILE REFERENCE: 99-4611
CURRENT APPLICATION NUMBER: 05/09/971,843
CURRENT FILING DATE: 2001-10-04
PRIOR APPLICATION NUMBER: 60/110,012
PRIOR FILING DATE: 1998-09-18
PRIOR FILING DATE: 1999-02-05
PRIOR FILING DATE: 1999-03-05
SOFTWARE: FastSEQ for Windows Version 3.0
SEGO ID NO: 520
LENGTH: 20
                                                                        ANTI-SENSE: Yes
;
SEQUENCE DESCRIPTION: SEQ ID NO: 100:
US-09-923-517-100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 10, Application US/09971843 Publication No. US20030013162A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                             627 GGTGCTCTGCGCGCTGCCG 645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       292 CTGGGGAAACAGAAGTTT 310
                                                                                                                                                                                                                                                                                                                                               2 dargerergegerergege 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19 CTGAGGAAGCAGAAGTTT 1
TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                  1.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: PCR primer US-09-971-843-10
                                                       TOPOLOGY: Linear
                                                                                                                                                                                Query Match
Best Local Similarity 89.53
Matches 17; Conservative
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Gaps
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iSequence 110, Application US/10187659A

iSequence 110, Application US/10187659A

iSequence 110, Application US/2004002152A1

iSEDERAL INFORMATION:
 APPLICANT: Kenneth W. Dobie

iTILE OF INVENTION: ANTISENSE MODULATION OF P2X4 EXPRESSION

ITILE OF INVENTION: ANTISENSE MODULATION OF P2X4 EXPRESSION

CURRENT APPLICATION HUMBER: US/10/187,659A

CURRENT FILING DATE: 2002-07-01

iSEQ ID NO 110

LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.0%; Score 15.8; DB 1; Length 20; Best Local Similarity 89.5%; Pred. No. 2.1e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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US-10-187-659A-45

Sequence 45, Application US/10187659A

Publication No. US20040002152A1

GENERAL INFORMATION:

APPLICANT: Kenneth W. Dobie

TITLE OF INVENTION: ANTISENSE MODULATION OF P2X4 EXPRESSION

TITLE OF INVENTION NUMBER: US/10/187,659A

CURRENT APPLICATION NUMBER: 2002-07-01

NUMBER OF SEQ ID NOS: 143

SEQ ID NO 45

LENGTH: 20
                                                                                                                                                                       NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 810-1515
TELEFAX: (609) 810-1454
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
                     PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/923,517A
FILLING DATE: 07-Aug-2001
APPLICATION NUMBER: 09/364,416
FILING DATE: 1999-07-30
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ), OTHER INFORMATION: Antisense Oligonucleotide US-10-187-659A-45
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ANTI-SENSE: Yes

SEQUENCE DESCRIPTION: SEQ ID NO: 100:

US-10-430-196-100
CLASSIFICATION: <Unknown>
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STRANDEDNESS: Single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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Publication No. US20030100522A1
GENERAL INFORMATION:
APPLICANT: Donna T. Watch
APPLICANT: Donna T. Watch
TITLE OF INVENTION: ANTISENSE MODULATION OF RIBONUCLEASE L (2',5'-OLIGOISOADENYLATE
TITLE OF INVENTION: ANTISENSE MODULATION OF RIBONUCLEASE L (2',5'-OLIGOISOADENYLATE
TITLE OF INVENTION: SYNTHETASE-DEPENDENT) EXPRESSION
FILE REFERENCE: RS75-0212
CURRENT APPLICATION NUMBER: US/09/954,679
CURRENT FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 28
LENGTH: 20
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Altaglia; Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
Activating Protein 1
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
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ADDRESSEE: Law Offices of Jane Massey Licata STREET: 66 East Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                               , OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: Antisense Oligonucleotide US-09-954-679-28
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APPLICATION NUMBER: US/10/430,196
FILING DATE: 05-May-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-430-196-100; Sequence 100, Application US/10430196; Publication No. US20030194738A1; GENERAL INFORMATION:
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  SEQ ID NO 56
LEWOTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Marlton
STATE: NJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 54
US-09-954-679-28/c
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Garner, Harold R.
APPLICANT: Minna, John D.
APPLICANT: Minna, John D.
TITLE OF INVENTION: Identification of Chemically Modified Polymers
TITLE OF INVENTION: Identification of Chemically Modified Polymers
FILE REFERENCE: 119929-1015
CURRENT APPLICATION NUMBER: US/10/184,085A
CURRENT APPLICATION NUMBER: US 60/301,370
PRIOR FILING DATE: 2001-06-27
PRIOR FILING DATE: 2001-06-27
NUMBER OF SEQ ID NOS: 1291
SOFTWARE: FEASEEQ for Windows Version 4.0
SEQ ID NO 1032
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1069, Application US/10184085A

Publication No. US20030152950A1

Publication No. US20030152950A1

Publication No. US20030152950A1

APPLICANT: Garner, Harold R.

APPLICANT: Minna, John D.

APPLICANT: Minna, John D.

APPLICANT: Luebke, Kevin, J.

APPLICANT: Balog, Robert P.

TITLE OF INVENTION: Identification of Chemically Modified Polymers

FILE REFERENCE: 119929-1035

CURRENT APPLICATION NUMBER: US/10/184,085A

CURRENT FILING DATE: 2001-06-10-01

PRIOR APPLICATION NUMBER: US 60/301,370

PRIOR APPLICATION NUMBER: US 60/301,670

NUMBER OF SEQ ID NOS: 1291

NUMBER OF SEQ ID NOS: 1291

SOFTWARE: FastSEQ for Windows Version 4.0
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89.5%; Pred. No. 2.3e+02;
tive 0; Mismatches 2;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred, No. 2.3e+02;
Matches 17; Conservative 0; Mismatches 2;
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Sequence 6625, Application US/09866108

; Patent No. US20020048800A1

; GENERAL INFORMATION:
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-184-085A-1069/c
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LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
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Sequence 49, Application US/10272810
Sublication No. US20040077568A1
GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION FILE REPERBNCE: RTS-0263
CURRENT APPLICATION NUMBER: US/10/272,810
CURRENT FILING DATE: 2002-10-16
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 49
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 49, Application US/10273070
; Publication No: US20040077569A1
; GENERAL INFORMATION:
TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION
TITLE REFERENCE: RTS-0231
; CURRENT APPLICATION NUMBER: US/10/273,070
; CURRENT FILING DATE: 2002-10-16
; SEQ ID NOS: 89
; SEQ ID NO 49
; LENGTH: 20
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                                                                                                          Query Match
1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 2.1e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide US-10-272-810-49
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                                                                                                                                                                                                               501 GGTGACCTGGGTGCCCATG 519
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ORGANISM: Artificial Sequence
     ; TYPE: DNA
; ORGANISM: H. sapiens
US-10-187-659A-110
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US-10-272-810-49
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APPLICANT: CHEN, WENGERSON
APPLICANT: SHANNON: MARK
TITLE OF INVENTION: MASK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-06-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.0
Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-09-866-108-6626
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-866-108-6627
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; Sequence 6626, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
APPLICANT: UI, Yonggang
; APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: GHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REFERENCE: AEOMICA-7
; CURRENT APPLICATION NUMBER: US/09/866,108
; CURRENT FILLING DATE: 2001-05-25
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Pred. No. 1.8e+02;
0; Mismatches 1; Indels
             FILE REFERENCE: ALONGUALA-,
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-00-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-07
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING D
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-16-04
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-10-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
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Best Local Similarity 94.1%;
Matches 16; Conservative
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ORGANISM: Homo sapiens
US-09-866-108-6625
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PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
NUMBER: Aeomica Sequence Listing Engine
SEQ ID NO 6628
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CORGANISM: Homo sapiens
US-09-866-108-6628
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 16; Conserv
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: FENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MAY.
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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Pred. No. 1.8e+02;
                                         PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2001-05-5
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
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CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00662
                               CATION NUMBER: PCT/US01/00663
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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Patent No. US20020048800A1
GENERAL INFORMATION:
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Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-6627
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JAPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beadadry, Amber
APPLICANT: Beadadry, Amber
APPLICANT: Beadadry, Amber
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Savedler, Dave
APPLICANT: Nucleotide Triphosphate and their Incorporation into Oligonucleotif
FILE REPEBRICE MEMBER: US/09/825,805
CURRENT APPLICATION NUMBER: US/09/825,805
FRIOR FILING DATE: 1999-12-30
PRIOR FILING DATE: 1999-12-30
PRIOR FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 1558
NUMBER OF SEQ ID NOS: 1558
SOFTWARE PATENTIN VARIETIES
SOFTWARE PATENTIN VARIETI
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     Length 17;
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                                                                                                           1; Indels
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1.0%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 1.8e+02;
Matches 16; Conservative 0; Mismatches 1;
1.0%; Score 15.4; DB 1;
94.1%; Pred. No. 1.8e+02;
                                                                                                      Mismatches
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Publication No. US20030004122A1
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Publication No. US20030105051A1
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Sequence 1797, Application US/10287949A
; Sequence 1797, Application US/10289A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: Baccobedo, Jam
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Brobedo, Jaime
; APPLICANT: Brobedo, Jaime
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; TITLE REFERENCE: MBHB00-876-N (400/049)
; CURRENT FILING DATE: 2003-04-11
; CURRENT FILING DATE: 2003-04-11
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: Make Applicant of Diseases or Conditions Rel
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Brobers of Vascular Endothelial Growth Factor Receptor
FILLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
FILLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILLE OF DATE: 2002-03
CURRENT PILLING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
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1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 76.5%; Pred. No. 1.8e+02;
Matches 13; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Length 17;
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                                                                                                                                                                       1.0%; Score 15.4; DB 1;
94.1%; Pred. No. 1.8e+02;
tive 0; Mismatches 1;
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94.1%; Pred. No. 1.8e+02;
cive 0; Mismatches 1;
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"Scluence 8446, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                   121 TGGACCCGACACATGGA 137
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                                                                                                                                                                               Query Match
Best Local Similarity 94.1
Matches 16; Conservative
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ORGANISM: Homo sapiens
   ; LENGTH: 17
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-6203
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Matches 16; Conservat
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LENGTH: 17
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Sequence 1579/A Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Barcobed, Jame

APPLICANT: Brinchcomb, Dan

APPLICANT: Brin
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
TITLE OF INVENTION: HER2
TITLE OF INVENTION: HER2
TITLE OF INVENTION: HER2
CURRENT APPLICATION NUMBER: US/10/163,552
CURRENT APPLICATION NUMBER: US/10/163,552
CURRENT FILING DATE: 2002-06-06
NUMBER OF SEQ ID NOS: 1997
SEQ ID NO 134
LENGTH: 17
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Sequence 6203, Application WS/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:
APPLICANT: Bloozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaim
APPLICANT: Escobedo, Jaim
APPLICANT: Escobedo, Jaim
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions FILE REFERENCE: MHHHOO-976-N (400/049)
FILE REFERENCE: MHHHOO-976-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION DATE: 2002-05-03

NUMBER OF SEQ ID NOS: 2008-22
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 15.4; DB 1; Length 17;
Pred. No. 1.8e+02;
0; Mismatches 1; Indels
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Best Local Similarity 94.1%;
Matches 16; Conservative (
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; ORGANISM: Homo sapiens
US-10-163-552-134
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ORGANISM: Homo sapiens
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US-10-138-674-6203/c
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Sequence 6625, Application US/10723361
Publication No. US20040137589A1
Publication No. US20040137589A1
REBERLIANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: GHEN, Wensheng
TAPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
                                                   APPLICANT: Chowritz, Bharat
APPLICANT: Chowritz, Bharat
APPLICANT: Chowritz, Bharat
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerage Enzyme
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerage Enzyme
FILE REPERENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/09/653,225
FRIOR FILING DATE: 2000-08-31
FRIOR PILING DATE: 2000-04-14
FRIOR APPLICATION NUMBER: 60/150,713
FRIOR PILING DATE: 1999-08-31
FRIOR FILING DATE: 1999-08-31
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CURRENT APPLICATION NUMBER: US/10/723,361

CURRENT FILING DATE: 2003-11-26

FRIOR PEDLICATION NUMBER: US 09/866,108

PRIOR PEDLICATION NUMBER: US 60/207,456

PRIOR PELING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PELING DATE: 2000-10-04

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR APPLICATION NUMBER: PCT/US01/00668
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Best Local Similarity 64.7%; Pred. No. 1.8e+02;
Matches 11; Conservative 5; Mismatches 1;
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US-10-712-672-2333
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Sequence 6203, Application US/10287949A

Sequence 6203, Application US/10287949A

Publication No. US20040102389A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Bacoco, Pam

APPLICANT: Bacoco, Dam

APPLICANT: Bacocodo, Jaime

APPLICANT: Escobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

FILE REFERENCE: MBHB00-876-N (400/049)

CURRENT APPLICATION NUMBER: US/10/287,949A

CURRENT FILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 20822

SEQ ID NO 6203

LENGTH: 17

LENGTH: 17
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Cor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: WHBHB0-876-N (400/049)
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 8446
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; Sequence 8446, Application US/10287949A; Publication No. US20040102389A1; GENERAL INFORMATION:
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120 ATGGACCCGACACATGG 136
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CORGANISM: Homo sapiens
US-10-287-949A-8446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tYPE: RNA
CORGANISM: Homo sapiens
US-10-287-949A-6203
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US-10-712-672-2333
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Matches
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APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
TITLE REPERBENCE: PB0105
CURRENT APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 06/207,456
PRIOR APPLICATION NUMBER: US 06/207,456
PRIOR PILING DATE: 2000-10-0-65-26
PRIOR FILING DATE: 2000-10-0-04
PRIOR FILING DATE: 2000-10-0-04
PRIOR FILING DATE: 2000-10-0-07
PRIOR FILING DATE: 2000-10-10-0
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PCT/US01/00669
PRIOR PCT/US01/00669
PRIOR PCT/U
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APPLICANT GU, Yizhong
APPLICANT GI, Yonggang
APPLICANT GI, Yonggang
APPLICANT SHANCE, David R.
APPLICANT RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-05-27
PRIOR PELLING DATE: 2000-05-27
PRIOR PELLING DATE: 2000-05-27
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2000-09-27
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94.1%; Pred. No. 1.8e+02;
tive 0; Mismatches 1;
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Publication No. US20040137589A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 TGCGTCTGCAGAGGACA 39
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Best Local Similarity 94.1:
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-6627
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Sequence 6626, Application US/10723361
Publication No. US20040137589A1
Sequence 6626, Application US/10723361
Publication No. US20040137589A1
Sequence 6626, Application US/10723361
Publication No. US20040137589A1
Septicant USCAMATION USAMATION Sequence Company Septicant US Company Septicant Company Septicant HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: RANKE, David K.
APPLICANT: SHANON, MARK DAVIG K.
APPLICANT: SHANON NUMBER: US 0966,108
PRIOR PLING DATE: 2001-00-20
PRIOR PLING DATE: 2000-00-20
PRIOR APPLICATION NUMBER: US 09/256,559
PRIOR PLING DATE: 2000-00-30
PRIOR PLING DATE: 2000-00-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PLING DATE: 2001-01-30
PRIOR PLI
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                                                                                                                                              Query Match 1.0%; Score 15.4; DB 1; Length 17; Best Local Similarity 94.1%; Pred. No. 1.8e+02; Matches 16; Conservative 0; Mismatches 1; Indels
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Pred. No. 1.8e+02;
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
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Best Local Similarity 94.1%;
Matches 16; Conservative (
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CORGANISM: Homo sapiens
US-10-723-361-6626
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-6625
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TYPE: nucleic acid
STRANDEDNESS: single
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Best Local Similarity
                   STRANDEDNESS:
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                                                                                                                          Query Match
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                                   PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Aeomica Sequence Listing Engine

LENGTH: 17
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TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       JOHN N. SIMONS
JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAHWAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-08-424-550B-99/c
; Sequence 99, Application US/08424550B
; Publication No. US20020119447A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CLASSIFICATION: 435435
ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24 GCGTCTGCAGAGGACAG 40
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-6628
                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity
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APPLICANT:
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF EINVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
SEQ ID NOS: 65
LENGTH: 20
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                                                                                         Length 20;
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                                                                                                                                   1; Indels
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APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
FILE REFERENCE: RTG-0380
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.0%; Score 15.4; DB 1;
illarity 94.1%; Pred. No. 2.4e+02;
Conservative 0: Miamatala
                                                                                    Query Match 1.0%; Score 15.4; DB 1; Best Local Similarity 94.1%; Pred. No. 2.4e+02; Matches 16; Conservative 0; Mismatches 1;
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1.0%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-10-317-500-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/317,500 CURRENT FILING DATE: 2002-12-11 NUMBER OF SEQ ID NOS: 276 SEQ ID NO 89 LENGTH: 20
                                                                                                                                                                                                                                                                                                                   US-09-918-026A-43/c
Sequence 43, Application US/09918026A
Publication No. US20030096772A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 89, Application US/10317500 Publication No. US20040115637A1 GENERAL INFORMATION:
                                                                                                                                                                                1476 CTGCCAGGAGTGGTACG 1492
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; TOPOLOGY: linear; MOLECULE TYPE: DNA (genomic)
US-08-424-550B-99
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ORGANISM: Artificial Sequence
FEATURE:
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Methods for Detecting, Grading or Monitoring an H. pylori Infect
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Sequence 1, Application US/09924256A

Retent No. US20020127659A1

SEQUENCE 1. INFORMATION:
Maters, Barbara

APPLICANT: Waters, Barbara

APPLICANT: Tong, Vivian

APPLICANT: Tong, Seow

ITILE OF INVENTION: BIOACTIVE MOLECULES

TITLE OF INVENTION: BIOACTIVE MOLECULES

FILE REFERENCE: 9993-006

CURRENT APPLICATION NUMBER: US/09/924,256A

CURRENT FILING DATE: 2001-08-08

PRIOR APPLICATION NUMBER: 08/861,774

PRIOR APPLICATION NUMBER: 08/861,774

NUMBER OF SEQ ID NOS: 94

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 1

LENGTH: 20

MATERIAL OF TOTAL OF TOTA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 2.6e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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APPLICANT: Weiner, George
APPLICANT: Hartmann, Gunther
TITLE OF INVENTION: Methods for Enhancing Antibody-Induced
TITLE OF INVENTION: Cell Lysis and Treating Cancer
TITLE REFERENCE: C1039/7052 (AMS)
CURRENT APPLICATION NUMBER: US/09/888,326
CURRENT FILING DATE: 2001-06-22
PRIOR APPLICATION NUMBER: US 60/213,346
PRIOR FILING DATE: 2000-06-22
NUMBER OF SEQ ID NOS: 848
                                  FILE REFERENCE: EXT-048
CURRENT APPLICATION NUMBER: US/09/755,004
CURRENT FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.0
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: APC forward primer US-09-755-004-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 406, Application US/0988326 Publication No. US20030026801A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 332 TTGATGAGCTGATGGAGGTG 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 rrgaggaggrgcrggaggrg 1
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                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial sequence
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ORGANISM: Artificial Sequence
   TITLE OF INVENTION: Met! FILE REFERENCE: EXT-048
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-888-326-406/c
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Sequence 22, Application US/09800631
Patent No. US2002008228A1
GENERAL INFORMATION:
APPLICANT: Hong Zhang
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
FILE REFERENCE: ISPH-0544
TITLE OF INVENTION: ANDER: US/09/800,631
CURRENT FILING DATE: 2001-03-07
PRIOR APPLICATION NUMBER: US/09/657,346
PRIOR APPLICATION NUMBER: US/09/657,346
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 22
LENGTH: 20
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1.0%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                               Sequence 9, Application US/10740773
; Sequence 9, Application US/10740773
; Publication No. US20040180825A1
; GENERAL INFORMATION:
; APPLICANT: Spriggs, Melanie K.
; TITLE OF INVENTION: NOVEL SEWAPHORIN POLYPEPTIDES
; CURRENT APPLICATION NUMBER: US/10/740,773
; CURRENT FILING DATE: 2003-12-19
; PRIOR APPLICATION NUMBER: US/9/689,012
; PRIOR FILING DATE: 1999-05-05
; PRIOR FILING DATE: 1999-05-05
; PRIOR FILING DATE: 1999-05-05
; PRIOR FILING DATE: 1998-05-14
; NUMBER OF SEQ ID NOS: 10
; SEQ ID NO 9
; SEQ ID NO 9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ), OTHER INFORMATION: Antisense Oligonucleotide US-09-800-631-22
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 84
US-09-755-004-10/c
IS-09-755-004-10/c
; Sequence 10, Application US/09755004
; Patent No. US20020110810A1
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: PRIMER US-10-740-773-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-800-631-22/c
                                                                            US-10-740-773-9/c
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                                                                                                                                                                                                                                                                                                Sequence 448, Application US/09776479

Publication No. US20040067902A9

GENERAL INFORMATION:
APPLICANT: Bratzler, Robert L.
APPLICANT: Petersen, Deanna M.
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Treatment of Asthma and Allergy
FILE REFERENCE: C1037/7013 (HCL/MAT)
CURRENT FALLICATION NUMBER: US/09/776,479

CURRENT FILING DATE: 2001-02-02

PRIOR APPLICATION NUMBER: US 60/179,991

PRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SOFTWARE: FastSEQ for Windows Version 3.0
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                                              Query Match
1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3;
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-09-776-479-448
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-918-026A-51/c

; Sequence 51, Application US/09918026A
; Publication No. US20030096772A1
; GENERAL INFORMATION:
                                                                                                                                            1461 CCAGGTCAGCCTGTACTGCC 1480
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                                                                                                                                                                                                                                                                                  US-09-776-479-448/C
  US-09-776-479-448
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Sequence 448, Application US/09776479

Publication No. US20030087848A1

GENERAL INFORMATION:

APPLICANT: Breatler, Robert L.

APPLICANT: Breatler, Robert L.

APPLICANT: Fouron, Yve8

TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT)

CURRENT APPLICATION NUMBER: US/09/776,479

CURRENT FILING DATE: 2000-02-03

PRIOR FILING DATE: 2000-02-03

NUMBER OF SEQ ID NOS: 1093

SOFTWARE: FastSEQ for Windows Version 3.0

LENGTH: 20
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85.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4, Application US/09781693A

Publication No. US20030054438A1

GENERAL INFORMATION:

APPLICANT: Chang, Tai-Jay

TITLE OF INVENTION: ANDROGEN RECEPTOR COMPLEX-ASSOCIATED

TITLE OF INVENTION: PROTEIN

FILE REFERENCE: 11709-003001

CURRENT FILING DATE: 2002-07-23

PRIOR APPLICATION NUMBER: US 60/262,312

PRIOR APPLICATION NUMBER: US 60/262,312

NUMBER OF SEQ ID NOS: 17

SOFTWARE: FastSEQ for Windows Version 4.0

SEQ ID NO 4

LENGTH: 20
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Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                          OTHER INFORMATION: Synthetic oligonucleotide
SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 406 LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FEATURE: OTHER INFORMATION: Synthetic Sequence
                                                                                                                                                                                                                                                                                                          1461 CCAGGTCAGCCTGTACTGCC 1480
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: primer for PCR US-09-781-693A-4
                                                                                                                                                                                                                                                                                                                                       20 CCCGGTGAGCCTGCACTGCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20 rererreceasasteree 1
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                                                                                ORGANISM: Artificial Sequence FEATURE:
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US-09-776-479-448/c
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                                                                                                                                                                  US-09-888-326-406
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
TILLS OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXIFILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT APPLICATION OF 501-07-30
NUMBER OF SEQ ID NOS: 65

gibbs026-3.rnpb

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Gaps

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OTHER INFORMATION: Description of Artificial Sequence: Sequencing OTHER INFORMATION: primer for a DNA encoding the heavy chain of a IS OTHER INFORMATION: humanized anti-Fas antibody US-10-216-484-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 2.6e+02; tive 0; Mismatches 3; Indels
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.0%; Score 15.2; DB 1; Best Local Similarity 85.0%; Pred. No. 2.6e+02; Matches 17; Conservative 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Barizawa, No. US20030103976Alufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT APPLICATION NUMBER: US/09/99,662
FRIOR APPLICATION NUMBER: US/09/99,662
FRIOR PELING DATE: 2000-02-09
FRIOR PELING DATE: 2000-02-09
FRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-181-846-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 98, Application US/10216484
Publication No. US20030103376A1
PUBLICATION:
APPLICANT: Serizawa, No. US20030103976Alufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
              FILE REFERENCE: RTSP-0363
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 09/490,692
PRIOR FILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1275 TGTGTTCCTGGTCTCCGCAG 1294
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Publication No. US20030103976A1
GENERAL INFORMATION:
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Best Local Similarity 85.0°
Matches 17; Conservative
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US-10-216-484-94/c
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LENGTH: 20
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                                                                                                                                                                                  APPLICANT: Krieg, Arthur M.
APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Daniel J.
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
FILE REFERENCE: C01039/70060(AMS)
CURRENT APPLICATION NUMBER: US/10/112,653
CURRENT APPLICATION NUMBER: US 60/279,642
PRIOR APPLICATION NUMBER: US 60/279,642
PRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 428
LENGTH: 20
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| Sequence 448, Application US/10017995
| Sequence 448, Application US/10017995
| Publication No. US20030055014A1
| GENERAL INFORMATION:
| TITLE OF INFORMATION: Inhibition of Angiogenesis by Nucleic Acids
| TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
| TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
| TITLE OF INFORMATION: Inhibition of Angiogenesis by Nucleic Acids
| TITLE OF INFORMATION NUMBER: US/10/117,995
| CURRENT APPLICATION NUMBER: US 60/255,534
| PRIOR PILING DATE: 2000-12-14
| NUMBER OF SEQ ID NOS: 1093
| SOFTWARE: FastSEQ for Windows Version 3.0
| SEQ ID NO 448
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1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3;
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; OTHER INFORMATION: Synthetic Oligonucleotide
US-10-112-653-428
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                                                                                                   Sequence 428, Application US/10112653
Publication No. US20030050268A1
GENERAL INFORMATION:
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Publication No. US20030083297A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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                                                                              US-10-112-653-428/c
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                           FILE, REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 09/053,583
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
LENGTH: 20
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OTHER INFORMATION: Description of Artificial Sequence: Sequencing OTHER INFORMATION: primer for a DNA encoding the heavy chain of a OTHER INFORMATION: humanized anti-Fas antibody
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PRIOR FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBE
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 98
LENGTH: 20
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Pred. No. 2.6e+02;
0; Mismatches 3;
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Publication No. US20030170817A1
GENERAL INFORMATION:
APPLICANT: Haruyama, No. US20030170817A1ufusa
APPLICANT: Haruyama, Hiddyuki
APPLICANT: Tamaki, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
ITILE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0%,
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Matches 17; Conservative
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US_10-314-578-448/c
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Publication No. US20030130222A1
GENERAL INFORMATION:
APPLICANT: Hong Zhang
APPLICANT: WINTERNS MODULATION OF BH3 INTERACTING DOWAIN DEATH AGONIST EXPR
FILE REFERENCE: ISPH-0544
CURRENT APPLICATION NUMBER: US/09/800,631
PRIOR PELLING DATE: 2002-11-13
PRIOR PELLING DATE: 2000-03-07
PRIOR PELLING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 22
LENGTH: 20
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85.0%; Pred. No. 2.6e+02;
tive 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/216,484
CURRENT AFLING DATE: 2002-08-09
FRIOR APPLICATION NUMBER: US/09/499,662
FRIOR APPLICATION NUMBER: US 09/053,583
FRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 98
LENGTH: 20
TURENT FILING PATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
TENGTH: 20
TURENT FILING DATE: 1998-04-01
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APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahabi, Tohru
IITLE OF INVENTION: Anti-Fas Antibodies
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ORGANISM: Artificial Sequence
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Matches 17; Conservative
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US-10-293-783-22/c
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US-10-384-933-94/c
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US-10-671-395-454

) Sequence 454, Application US/10671395

; Publication No. US20040132063A1

; GENERAL INFORMATION:
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Publication No. US20040096922A1
GENERAL INFORMATION:
APPLICANT: Hildebrandt, Friedhelm
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US-10-648-512-84/c
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**Bublication No. US20030228597A1

GENERAL INFORMATION:

APPLICANT: Cowsert. Lex M.

APPLICANT: Baker, Brenda F.

APPLICANT: Brooks, Douglas G.

APPLICANT: Applicant M.

APPLICANT: Applicant M.

APPLICANT: Applicant M.

APPLICANT: Assmor, Henri M.

APPLICANT: Assmor, Henri M.

APPLICANT: Brooks, Douglas G.

APPLICANT: Diagnille R.

APPLICANT: Brooks, Douglas G.

APPLICANT: C.

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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REPERENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/314,578
CURRENT FLIMO DATE: 2002-12-09
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR PILING DATE: 1999-09-25
PRIOR PILING DATE: 1999-09-27
PRIOR PILING DATE: 1999-09-27
PRIOR PILING DATE: 1999-09-27
NUMBER OF SEQ ID NOS: 1145
SOFTWARE: FARESEQ for Windows Version 3.0
SEQ ID NO 448
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 1.0%; Score 15.2; DB 1; Local Similarity 85.0%; Pred. No. 2.6e+02; nes 17; Conservative 0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; OTHER INFORMATION: Synthetic Sequence
US-10-314-578-448
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 100
US-10-388-263-670/c
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Matches
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APPLICANT: Griffais, R. TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prever TITLE OF INVENTION: and treatment of infection FILE REFERENCE: 9710-003-999 CURRENT APPLICATION NUMBER: US/10/289,762 NUMBER OF SEQ ID NOS: 6849 SEQ ID NO 4685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Pharmacia Corp.

APPLICANT: Gieres, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN EZ SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1179/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
CURRENT FILING DATE: 2003-09-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Otto, Edgar
APPLICANT: Hoefele, Julia
APPLICANT: Refele, Julia
APPLICANT: Ruf, Rainer
APPLICANT: Hiller, Karl S.
APPLICANT: Hiller, Karl S.
APPLICANT: Wolf, Matchias T.F.
APPLICANT: Schuermann, Maria J.
APPLICANT: Becker, Achim
TILLE OF INVENTION: NPHP Nucleic Acids and Proteins
FILE REFRENCE: UM-08333
CURRENT APPLICATION NUMBER: US/10/648,512
CURRENT APPLICATION NUMBER: US/10/648,512
CURRENT FILING DATE: 2003-08-26
NUMBER OF SEQ ID NOS: 102
SOFTWARE: PatentIn version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3;
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Sequence 2244, Application US/09877478

Sequence 2244, Application US/09877478

Publication No. US20030068301A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: McYL18889, Dave
TITLE OF INVENTION: Mcthod and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: WHENDO-845-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478

CURRENT FILING DATE: 2001-12-31
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100.0%; Pred. No. 2e+02;
ive 0; Mismatches 0; Indels
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100.0%; Pred. No. 2e+02;
ive 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,993
PRIOR PILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-11-08
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PATENTIN VERSION 3.0
SOFTWARE: PATENTIN VERSION 3.0
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PRIOR PELLING DATE: 1092-05-14
PRIOR PELLING DATE: 1992-05-14
PRIOR PELLING DATE: 1992-05-14
PRIOR PELLING DATE: 1992-05-14
PRIOR PELLING DATE: 2000-03-20
PRIOR PELLING DATE: 2000-08-09
PRIOR PELLING DATE: 2000-10-24
PRIOR PELLING DATE: 2000-10-24
PRIOR PELLING DATE: 1994-02-07
PRIOR PELLING DATE: 1994-02-07
PRIOR PELLING DATE: 1994-02-07
PRIOR PELLING DATE: 1995-05-04
PRIOR PELLING DATE: 1995-05-04
PRIOR PELLING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/43,504
PRIOR PELLING DATE: 1999-11-08
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Best Local Similarity 100.0%; P
Matches 15; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
CORGANISM: Hepatitis B virus
US-09-877-478-845
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ORGANISM: Hepatitis B virus
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Matches 15; Conserv
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jane
APPLICANT: McSwiggen, Jane
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-645-H (400/029)
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT FILING DATE: 2001-12-31
PRIOR FILING DATE: 2000-13-20
PRIOR FILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR FILING DATE: 2000-09-09
PRIOR FILING DATE: 2000-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Mark J. Graham APPLICANT: Mark J. Graham APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 i
FILE REFERRNCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 5
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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100.0%; Pred. No. 1.6e+02;
tive 0; Mismatches 0; Indels
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US20030068301A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                    FEATURE:
COTHER INFORMATION: Human PGE2 antisense
US-10-671-395-454
                       PRIOR APPLICATION NUMBER: 60/413,549
PRIOR FILING DATE: 2002-09-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   245 TGCCCCCACCTCCCCCAGGT 264
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
                                                                          NUMBER OF SEQ ID NOS: 1809
SOFWARE: Patentin version 3.2
SEQ ID NO 454
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   OTHER INFORMATION: PCR Primer US-09-918-026A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: ROBanne M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15; Conservative
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Matches 15; Conserva
                                                                                                                                                                                                 TYPE: DNA ORGANISM: artificial
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publicant: Sina Therapeutics, Inc.

APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Mortisey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/075 (MEHBOO-845-1)
CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
FRICA PAPLICATION NUMBER: US 09/877,478
FRICA FILING DATE: 2000-03-20
FRICA RIGHT APPLICATION NUMBER: US 09/531,025
FRICA RILING DATE: 2000-03-20
FRICA RILING DATE: 2000-03-20
FRICA RILING DATE: 2000-10-24
FRICA RILING DATE: 2000-10-24
FRICA RILING DATE: 1994-02-07
FRICA RILING DATE: 1994-02-07
FRICA RILING DATE: 1992-05-14
FRICA FILING DATE: 1992-05-14
FRICA FILING DATE: 1992-05-14
FRICA FILING DATE: 1992-05-11-08
FRICA RILING DATE: 1992-05-11-08
FRICA RILING DATE: 1992-05-11-08
FRICA RILING DATE: 1992-05-11-08
FRICA RILING DATE: 1999-11-08
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McTissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
CURRENT PAPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 09/877,478
PRIOR APPLICATION NUMBER: US 09/871,025
PRIOR APPLICATION NUMBER: US 09/531,025
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                        Query Match 1.0%; Score 15; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Publication No. US20040054156A1
GENERAL INFORMATION:
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; Sequence 845, Application US/10342902
; Publication No. US20040054156A1
; GENERAL INFORMATION:
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100.0%; Pre
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SOFTWARE: PatentIn version 3.2
                                                                                                                                340 CTGATGGAGGTGCAG 354
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Best Local Similarity 100.
Matches 15; Conservative
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Sequence 144, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
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Publication No. US20030073207A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TIPLE OF INVENTION: Eavels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE REPERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A

CURRENT FILING DATE: 2001-05-03

NUMBER OF SEQ ID NOS: 9645

SEQ ID NO 1112

SEQ ID NO 1112
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Publication No. US20030073207A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REPERENCE: MBHB00-958-1 (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin Version 3.0
SEQ ID NO 1113
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100.0%; Pred. No. 2e+02;
ve 0; Mismatches 0; Indels
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Matches 15; Conservative
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TYPE: RNA
ORGANISM: Homo sapiens
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COGANISM: Homo sapiens
US-09-848-754A-144
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TYPE: RNA
CRGANISM: Homo sapiens
US-09-848-754A-1113
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US-09-848-754A-1113/c
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US-09-848-754A-1112/c
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APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/66,941
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR PILING DATE: 2001-10-24
PRIOR PILING DATE: 2001-12-05
PRIOR PILING DATE: 2001-12-05
PRIOR PILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/353,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/440,332
PRIOR APPLICATION NUMBER: US 09/440,332
PRIOR PILING DATE: 2000-12-18
PRIOR FILING DATE: 2000-07-07
PRIOR APPLICATION NUMBER: US 09/611,931
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SOFTWARE: PatentIn version 3.0
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Pred. No. 2e+02;
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Publication No. US20040127446A1
GENERAL INFORMATION:
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; Sequence 174, Application US/09854883
; Patent No. US20020055479A1
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Best Local Similarity 100.0%; Pi
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Dennis, Macejak
James, McSwiggen
David, Morrissey
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; ORGANISM: Hepatitis B Virus
US-10-669-841-2047
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Kenneth, Draper
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US-10-669-841-2047/c
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GENERAL INFORMATION
US-10-669-841-845
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APPLICANT:
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APPLICANT: Pamela, Pavco
APPLICANT: Pamela, Pavco
APPLICANT: Partice, Lee
APPLICANT: Partice, Lee
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: OLIGONUCLEOTION MADER: US 003-09-23
FRICK APPLICATION NUMBER: US 60/296, 841
CURRENT APPLICATION NUMBER: US 60/296, 876
PRIOR PILING DATE: 2001-06-08
PRIOR PILING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-02-30
PRIOR PLING DATE: 2001-03-4
PRIOR PLING DATE: 2001-03-4
PRIOR PLING DATE: 2001-03-1
PRIOR PLING DATE: 2002-03-1
PRIOR PLING DATE: 2002-03-1
PRIOR PLING DATE: 2002-03-1
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PRIOR FILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFWARE: Patentin version 3.0
SEQ ID NO 845
LENGTH: 17
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2e+02;
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                                                                                                  PRIOR APPLICATION NUMBER: US US/BSE, 27.
PRIOR FILING DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6592
SOFTWARE: Patentin version 3.2
SEQ ID NO 2244
                                                 APPLICATION NUMBER: US 09/636,385
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PRIOR APPLICATION NUMBER: US 09/611,931
PRIOR FILING DATE: 2000-07-07
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: SITHA THEAPPLICH:
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ADDITONT: TITLED OF THEAPPLICH:
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; ORGANISM: Hepatitis B virus
US-10-342-902-2244
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David, Morrissey
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ORGANISM: Hepatitis B Virus
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ID NO:1
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Sequence 7, Application US/10241313
Publication No. US20030118506A1
GENERAL INFORMATION:
APPLICANT: O'MAILEY, Karen L
APPLICANT: Todd, Richard D
TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4 Receptor
FILE REFERENCE: WU 10.2 CON DIV(2)
CURRENT APPLICATION NUMBER: US/10/241,313
CURRENT APPLICATION NUMBER: US 08/475,742
PRIOR APPLICATION NUMBER: US 08/475,742
PRIOR FILING DATE: 1995-06-07
PRIOR FILING DATE: 1995-06-16
PRIOR FILING DATE: 1994-06-16
PRIOR FILING DATE: 1991-01-28
NUMBER OF SEQ ID NOS: 16
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OTHER INFORMATION: primer-reverse transcribed using orD4-515 and
OTHER INFORMATION: complementary to nucleotides 2389-2406 in SEQ
PUBLICATION INFORMATION:
TITLE: The rat dopamine D4 receptor: sequence, gene structure
TITLE: and demonstration of expression in the cardiovascular
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                                                                                                                                        APPLICANT: Madeline M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: Robert McKay
TITLE OF INVENTION: ANTISENSE MODULATION OF PTPIB EXPRESSION
FILE REPERENCE: ISPH-05'6
CURRENT APPLICATION NUMBER: US/10/360,510
CURRENT FILING DATE: 2003-02-07
PRIOR APPLICATION NUMBER: US/09/854,883
PRIOR APPLICATION NUMBER: US 09/629,644
PRIOR APPLICATION NUMBER: US 09/629,644
PRIOR FILING DATE: 2000-07-31
PRIOR PELLING DATE: 2000-07-31
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 389
| SEQ ID NOS: 389
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1.0%; Score 15; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 2.7e+02;
Matches 15; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                        Brett P. Monia
Madeline M. Butler
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 16; Conserv
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LENGTH: 18
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Sequence 171, Application US/10380931
Sequence 171, Application No. US20030215944A1
GENERAL INFORMATION:
APPLICANT: ISIAS Pharmaceuticals, Inc.
APPLICANT: G. Frank Bennett
APPLICANT: Jacqueline Wyatt
APPLICANT: Jacqueline Wyatt
TILE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
FILE REFERENCE: RISP-0187
CURRENT APPLICATION NUMBER: US/10/380,931
CURRENT FILING DATE: 2003-03-18
PRIOR FILING DATE: 2000-09-29
NUMBER OF SEQ ID NOS: 182
SEQ ID NO 171
LENGTH: 20
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... Coweart
Jacqueline Wyatt
APPLICANT: Susan M. Freier
APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Robert McKay
TITLE OF INVENTION: ANTISENSE MODULATION OF PTPLB EXPRESSION
FILE REPRENCE: 158H-0576
CURRENT APPLICATION NUMBER: US/09/854,883
CURRENT FILING DATE: 2001-05-14
PRIOR APPLICATION NUMBER: US 09/487,368
PRIOR PILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-07-31
PRIOR PILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 389
SEQ ID NO 174
ILENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 2.7e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-931-171
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APPLICANT: Lex M. Cowsert APPLICANT: Jacqueline Wyatt APPLICANT: Susan M. Freier
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  245 TGCCCCCACCTCCCC 259
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 15; Conservative
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Matches 15, Conservative
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US-10-360-510-174/c
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Sequence 7, Application US/10449801A Publication No. US20040058314A1 GENERAL INFORMATION:
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Best Local Similarity
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                                                                                                                                                 Sequence 70, Application US/10404679
Publication No. US20030229044A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: STEINMAN, LAWRENCE
APPLICANT: GARREN, HIDEK
TITLE OF INVENTION: USE OF STATINS AND OTHER
TITLE OF INVENTION: IMMUNOMODULATORY AGENTS IN THE TREATMENT OF AUTOIMMUNE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: STAN-262
CURRENT APPLICATION NUMBER: US/10/404,679
CURRENT FILING DATE: 2003-03-31
PRIOR FILING DATE: 2002-03-29
PRIOR FILING DATE: 2002-03-29
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Pred. No. 2.4e+02;
0; Mismatches 2; Indels
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Publication No. US20040002537A1

GENERAL INFORMATION:

APPLICANT: ZAMVIL, SCOTT S.

APPLICANT: STUNE, SLAWSAN

APPLICANT: STUNE, SAWSAN

APPLICANT: STUNE, SAWSAN

APPLICANT: STUNE, SAWSAN

TITLE OF INVENTION: USE OF STATINS IN THE TREATMENT OF

TITLE OF INVENTION: AUTOIMMUNE DISEASE

FILE REPERENCE: STAN-262022

CURRENT APPLICATION NUMBER: US/10/404,922

CURRENT APPLICATION NUMBER: 60/368,803

PRIOR APPLICATION NUMBER: 60/368,803

PRIOR PLING DATE: 2002-03-29

NUMBER OF SEQ ID NOS: 12

SOFTWARE: FASESEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 2;
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US-10-404-679-70
                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQ ID NOS: 75
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 70
LENGTH: 18
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ORGANISM: Artificial Sequence
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Best Local Similarity 88.9%;
Matches 16; Conservative
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; ORGANISM: mouse
US-10-404-922-11
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
CURRENT FILING DATE: 2003-02-24
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: US 60/356,580
PRIOR FILING DATE: 2001-07-25
PRIOR PILING DATE: 2001-07-25
PRIOR FILING DATE: 2001-07-25
PRIOR FILING DATE: 2001-06-06
NUMBER OF SEQ ID NOS: 1213
SOFTWARE PLANCE: Patentin version 3.0
APPLICANT: HE, Ming Liang
APPLICANT: KUNG, Helang Fu
APPLICANT: KUNG, Helang Fu
APPLICANT: KUNG, Helang Fu
APPLICANT: LIN, Marie Chia Mi
TITLE OF INVENTION: A New Method For the Quantification of HBV cccDNA by Real Time PCF
FILE REPRENCE: HE et al.1
CURRENT APPLICATION NUMBER: 02/10/449,801A
CURRENT FILING DATE: 2003-05-29
PRIOR PILING DATE: 2003-05-29
NUMBER OF SCO ID NOS: 12
SOFTWARE: Patentin version 3:1
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense re
US-10-251-117-623
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0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 2.4e+02;
Matches 16; Conservative 0; Mismatches 2;
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; Sequence 623, Application US/10251117
; Publication No. US20030170891A1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial sequence
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RESULT 122

RESULT 120 US-10-449-801A-7

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                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
CURRENT APPLICATION NUMBER: US/10/251,117
CURRENT FILING DAIE: 2003-02-24
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FUREBRY FILING DATE: 2003-02-03

PRIOR PELICATION NUMBER: US/09/230,652

PRIOR PELICATION NUMBER: RP 97 04680

PRIOR PELICATION NUMBER: RP 97 04680

PRIOR FILING DATE: 1996-08-01

PRIOR FILING DATE: 1997-04-16

PRIOR FILING DATE: 1997-07-31

SOFTWARE: PALEALING DATE: 1997-07-31

SOFTWARE: PALEALING DATE: 1997-07-31

SOFTWARE: PALEALING DATE: 1997-07-31

SOFTWARE: PALEALING DATE: 1997-07-31
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0.9%; Score 14.8; DB 1;
Best Local Similarity 61.1%; Pred. No. 2.6e+02;
Matches 11; Conservative 5; Mismatches 2;
                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2003-02-24

PRIOR APPLICATION NUMBER: US 60/393,924

PRIOR FILING DATE: 2002-07-03

PRIOR PELICATION NUMBER: US 60/393,924

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR PILING DATE: 2002-06-06

PRIOR PELING DATE: 2002-02-06

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/358,580

PRIOR APPLICATION NUMBER: US 60/296,466

PRIOR PILING DATE: 2001-07-25

PRIOR PILING DATE: 2001-06-06

NUMBER OF SEQ ID NOS: 1213

SOFTWARE: PATENTIN VERSION 3.0

SEQ ID NO 930

LENGTH: 19
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Ubblication No. US20030186290A1
GENERAL INFORMATION:
APPLICANT: Tournier-Lasserve, Elisabeth
Application US/10251117
5. US20030170891A1
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      Sequence 930, Applica
Publication No. US200
GENERAL INFORMATION:
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Sequence 491, Application US/10244647

Sequence 491, Application US/10244647

Publication No. US20030206887A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceutical, Inc.

APPLICANT: Moswiggen, James

APPLICANT: Moswiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) Us

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) Us

TITLE OF INVENTION: RNA Interfering Nucleic Acid (sinA)

TITLE OF INVENTION: BAD INTERFERINGE: 2003-04-14

FILE REFERENCE: 2002-02-02

FRIOR APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-07-03

PRIOR APPLICATION NUMBER: US 60/393,924

PRIOR APPLICATION NUMBER: US 60/296,876

PRIOR FILING DATE: 2002-03-26

PRIOR FILING DATE: 2001-06-08

NUMBER OF SEQ ID NOS: 1524

SOSTWARE PATENTING DATE: 2001-06-08

NUMBER OF SEQ ID NOS: 1524

SOSTWARE PATENTING DATE: 2001-06-08
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| Sequence 511, Application US/10244647
| Publication No. US2003026687A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceutical, Inc.
| APPLICANT: Beigel, James
| APPLICANT: Beigelman, Leonid
| TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
| FILE REFERENCE: 400/660 (MBHB02-1000)
| FILE REFERENCE: 400/660 (MBHB02-1000)
| FILE REFERENCE: 2003-04-14, 647
| CURRENT FILING DATE: 2003-04-14, 647
| CURRENT FILING DATE: 2002-02-20
| FRIOR FILING DATE: 2002-02-30
| FRIOR PELICATION NUMBER: US 60/393,924
| FRIOR PILING DATE: 2002-03-26
| FRIOR PILING DATE: 2002-03-26
| FRIOR PILING DATE: 2001-06-08
| NUMBER OF SEQ ID NOS: 1524
| SOFTWARE: PatentIn version 3.0
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US-10-244-647-491
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88.9%; Pred. No. 2.6e+02;
tive 0: Mismatches 2; Indels
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                                                                                                  691 GTCCTGGTCTTCGAGCAG 708
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ORGANISM: Artificial Sequence
                                      16; Conservative
         Best Local Similarity
                                                                                                                                                                                                                                                                                     US-10-244-647-491
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LENGTH: 19
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TITLE OF INVENTION: NOVEL HUMAN PROTEINS, POLYNUCLEOTIDES ENCODING THEM AND METHODS OF INTLE OF INVENTION: THE SAME
                                                                                                                                                                                                                                                                              ; TYPE: RNA
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: siNA antisense region
US-10-244-647-1157
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Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
PRIOR FILING DATE: 2002-02-20
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/296,876
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PARENTIN VERSION 3.0
SEQ ID NO 1157
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILE REFERENCE: 21402-462D
CURRENT APPLICATION NUMBER: US/10/262,445
CURRENT FILING DATE: 2002-10-01
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PRIOR FILING DATE: 2001-10-09
PRIOR FILING DATE: 2001-10-09
PRIOR FILING DATE: 2001-10-09
PRIOR PILING DATE: 2001-10-09
PRIOR APPLICATION NUMBER: 60/328,056
PRIOR APPLICATION NUMBER: 60/328,419
PRIOR PILING DATE: 2001-10-12
PRIOR PILING DATE: 2001-10-15
PRIOR PLING DATE: 2001-10-15
PRIOR PLING DATE: 2001-10-15
PRIOR APPLICATION NUMBER: 60/330,142
PRIOR APPLICATION NUMBER: 60/330,142
PRIOR PILING DATE: 2001-10-17
PRIOR PLING DATE: 2001-10-17
PRIOR APPLICATION NUMBER: 60/310,142
PRIOR PLING DATE: 2001-10-17
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PRIOR FILING DATE: 2001-10-05
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Taupier Jr., Raymond J
Zerhusen, Bryan
Zhong, Haihong
Zhong, Mei
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APPLICANT: Burgess, Catherine
APPLICANT: Gatterton, Blina
APPLICANT: Chant, John
APPLICANT: Chandhuri, Anitabha
APPLICANT: Edinger, Shlomit
APPLICANT: Gerlach, Valerie
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Ooi, Chean Eng
Patturajan, Meera
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Kekuda, Ramesh
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Publication No. US20030206887A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccutical, Inc.
APPLICANT: Morwigae, David
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
TITLE OF INVENTION: RNA Interfering Nucleic Acid (siNA)
CURRENT APPLICATION NUMBER: US/10/244,647
                                                                                                            ; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense
US-10-244-647-511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceutical, Inc.
APPLICANT: Morrissey, David
APPLICANT: Morrissey, David
APPLICANT: Morrissey, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/0500 (MBHB02-1000)
CURRENT APPLICATION NUMBER: US/10/244,647
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Pred. No. 2.6e+02;
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PRIOR FILING DATE: 2002-02-0
PRIOR PELING DATE: 2002-02-0
PRIOR PELING DATE: 2002-03-03-0
PRIOR FILING DATE: 2002-03-0
PRIOR PELING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: PCT US02/09187
PRIOR PILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PALENTIN VETSION 3.0
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Publication No. US20030206887A1
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                                                   TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity 50.0%;
Matches 9; Conservative
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Matches 16; Conserve
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US-10-244-647-1137/c
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     SEQ ID NO 511
LENGTH: 19
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Best Local Similarity 93.8%
Matches 15; Conservative
                          TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-2293
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; ORGANISM: Homo
US-09-866-108-2294
LENGTH: 17
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artifical Sequence: Primer/Probe US-10-262-445-84
                          PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: 60/349,575
PRIOR FILING DATE: 2001-10-29
PRIOR FILING DATE: 2001-10-29
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 133
SOFTWARE: CuraSeqList version 0.1
LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 2.6e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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CURRENT PILING DATE: 2001-05-25
CURRENT PILING DATE: 2001-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PRIING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/USO1/00065
PRIOR PLLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2000-01-30
PRIOR PLING DATE: 2000-02-05
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 2293
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Patent No. US20020048800A1
GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/343,629
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                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Artificial Sequence
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
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Mismatches
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Pred. No. 2.4
0; Mismatchee
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PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
                                                                                                                                                                                                                                                                                                                                   CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2296
                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/USO1/00667
FILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
APPLICATION NUMBER: US 60/266,860
FILING DATE: 2001-02-05
                       Sequence 2296, Application US/09866108
Patent No. US20020048800A1
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Patent No. US20020048800A1
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Best Local Similarity 93.8%;
Matches 15; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-2296
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-09-866-108-2296/c
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Gaps

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APPLICANT: SHANNOW, MARK
TITLE OF INVENTION: WOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE ROF INVENTION: WOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE ROF INVENTION: WOBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/02/966,108
RRIOR PELICATION NUMBER: US 60/207,456
RRIOR PELICATION NUMBER: US 60/207,456
RRIOR PELING DATE: 2000-10-04
RRIOR APPLICATION NUMBER: US 60/236,359
RRIOR FILING DATE: 2000-10-04
RRIOR PELING DATE: 2001-01-03-0
RRIOR FILING DATE: 2001-01-03-0
RRIOR FILING DATE: 2001-01-30
RRIOR FILING DATE: 2001-01-30
RRIOR FILING DATE: 2001-01-30
RRIOR PELING DATE: 2001-01-30
RRIOR APPLICATION NUMBER: PCT/US01/00669
RRIOR PILING DATE: 2001-01-30
RRIOR PELING DATE: 2001-01-30
RRIOR APPLICATION NUMBER: PCT/US01/00661
RRIOR APPLICATION NUMBER: PCT/US01/00661
RRIOR APPLICATION NUMBER: PCT/US01/00661
RRIOR APPLICATION NUMBER: PCT/US01/00661
RRIOR APPLICATION NUMBER: PCT/US01/00667
RRIOR APPLICATION NUMBER: PCT/US01/00670
RRIOR APPLICATION NUMBER: US 60/234,687
RRIOR FILING DATE: 2001-01-30
RRIOR PELING DATE: 2001-01-30
RRIOR PELING DATE: 2001-01-30
RRIOR APPLICATION NUMBER: US 60/234,687
RRIOR PELING DATE: 2001-02-05
NUMBER OF SEQUENCE Listing Engine
RROOR PELING DATE: 2001-02-05
NUMBER OF SEQUENCE Listing Engine
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: FENN, Sharton G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: GHENDON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: 2001-05-25
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93.8%; Pred. No. 2.4e+02;
tive 0; Mismatches 1;
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Patent No. US20020048800A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          553 CTACGGCTGTGGGCCA 568
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Best Local Similarity 93.8
Matches 15; Conservative
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-2297
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Query Match

0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1; Indels
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
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PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEG ID NOS: 15752
SEG ID NOS: 15752
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; Sequence 503, Application US/09780164
; Publication No. US20030092646A1
; GENRRAL INFORMATION:
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, Sequence 502, Application US/09780164
, Publication No. US2003092646A1
, GENERAL INFORMATION:
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SOFTWARE: Patentin version 3.0
SEQ ID NO 502
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Best Local Similarity 50.07
Matches 8; Conservative
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US-09-780-164-502
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US-09-866-108-6629
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APPLICANT: SHANNON, Mark
TITLE BOF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERBNCE: AECMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2010-10-30
PRIOR PILING DATE: 2010-10-30
PRIOR PILING DATE: 2010-10-30
PRIOR PILING DATE: 2010-10-30
PRIOR PILING DATE: 2010-01-30
PRIOR PILING DATE: 2010-01-30
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1;
                                         PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-40
PRIOR PILING DATE: 2000-10-40
PRIOR PLING DATE: 2000-10-40
PRIOR PLING DATE: 2000-10-40
PRIOR PLING DATE: 2000-10-27
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PRIOR PR
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; Sequence 6629, Application US/09866108
; Patent No. US202048800A1
; Patent No. US202048800A1
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
; APPLICANT: PENN, Sharron G.
; APPLICANT: RANK, David K.
; APPLICANT: RANK, David R.
; APPLICANT: CHEN, Wensheng
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; ORGANISM: Homo sapiens
US-09-866-108-6624
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: MCSWigsen, Jim
TILLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICATION NUMBER: US/09/780,164
PRIOR APPLICATION NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
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Sequence 1413, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: BIDAYMET PHARACCULICALS INC.
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBH800-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin Version 3.0
SEQ ID NO 1413
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Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Bild of the sequence of t
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                                                                                                                                                                                                                                                                                                              Score 14.4; DB 1;
Pred. No. 2.4e+02;
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93.8%; Pred. No. 2.4e+02;
tive 0; Mismatches 1;
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                                                                                                                                                                                                          OTHER INFORMATION: oligonucleotide substrate US-09-740-332-3143
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                                                                                                                                                                                                                                                                                                           Query Match

Best Local Similarity 75.0%; Pr. Matches 12; Conservative 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                             134 TGGAGGCTGTGAAGGC 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            133 ATGGAGGCTGTGAAGG 148
TYPE: RNA
ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1 UGGAGGCUGUGAAUGC 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: artificial sequence
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Best Local Similarity 93.8<sup>3</sup>
Matches 15; Conservative
                                                                                                                 FEATURE:
NAME/KEY: misc_feature
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US-09-817-879-1413/c
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                                                                                                                                                                                  LOCATION:
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Publication No. US2003012527041
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE PATENTIN Version 3.0
SEQ ID NO 1413
LENGTH: 17
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Sequence 3143, Application US/09740332

Sequence 3143, Application US/09740332

Publication No. US20030125270A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

APPLICANT: Ribozyme Pharmaceuticals Inc.

APPLICANT: Ribozyme Pharmaceuticals Inc.

APPLICANT: Ribozyme Pharmaceuticals Inc.

APPLICANTON UNDERTION: Hepatitis C Virus Infection

FILE REFERENCE: RPI 400/003

CURRENT APPLICATION UNDER: US/09/740,332

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9704

SOOFWARE: Patentin version 3.0

SEQ ID NO 3143

LENGTH: 17
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                                     APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT APPLICATION NUMBER: 60/185,516
PRIOR APPLICANTON NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: Patentin version 3.0
SEQ ID NO 503
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: artificial sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FEATURE:
NAME/KEY: misc_feature
LOCATION:
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Best Local Similarity
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Matches 15, Conserv
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APPLICANT: Paveco, Pam
APPLICANT: Paveco, Pam
APPLICANT: Paveco, Pam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stochedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Stochedo, Jaime
APPLICANT: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 8044.
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US-10-287-949A-1578/C
US-10-287-949A-1578/C
Sequence 1578, Application US/10287949A
; Sequence 1578, Application No. US20040102389A1
; Publication No. US20040102389A1
; GENERAL INFORMATION:
    APPLICANT: Rabozyme Pharmaceuticals, Inc.
    APPLICANT: Bavco, Pam
    APPLICANT: APPLICANT: APPLICANT: APPLICANT: Stinchcomb, Dan
    APPLICANT: Stinchcomb, Dan

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Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1;
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APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bscobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-287-949A-6124; Sequence 6124; Application US/10287949A; Publication No. US20040102389A1; GENERAL INFORMATION:
                         Sequence 8044, Application US/10138674
Publication No. US20040077565A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1512 ACCCCAGGCAACTTTC 1527
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Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens US-10-138-674-8044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      sapiens
US-10-138-674-8044/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
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Sequence 1578, Application US/10138674

Publication No. US20040077555A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Revisingen, Jim

APPLICANT: Baccobedo, Jaime

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Baccobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

FILE REFERENCE: MBHB00-876-N (400/049)

CURRENT PAPLICATION NUMBER: US/10/138,674

CURRENT PILING DATE: 2002-05-03

NUMBER OF SEQ ID NOS: 20822

SSQ ID NO 1578

LENGTH: 17

LENGTH: 17
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US-10-138-674-6124

US-10-138-674-6124

Sequence 6124, Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Stinchcomb, Dan

APPLICANT: Scobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION NUMBER: US/10/138,674

CURRENT FILING DATE: 2002-05-03

SOFTWARE: PatentIn version 3.0

SEQ ID NO 6124

LENGTH. 17
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Pred. No. 2.4e+02;
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                                   1; Indels
   75.0%; Pred. No. 2.4e+02;
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                                   Mismatches
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Best Local Similarity 93.8%; Pr
Matches 15; Conservative 0;
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                                                                                                    134 TGGAGGCTGTGAAGGC 149
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                                12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
CORGANISM: Homo sapiens
US-10-138-674-1578
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CORGANISM: Homo sapiens
US-10-138-674-6124
   Best Local Similarity
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                                       Matches
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APPLICANT: Panela, Parco
APPLICANT: Panela, Parco
APPLICANT: Panela, Parco
APPLICANT: Panela, Parco
APPLICANT: Panela, Draper
APPLICANT: Renneth, Roberts
APPLICANT: Eliabeth, Roberts
ITTLE OF INVENTION: OLIGONOCCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
ITTLE OF INVENTION: VIRUS REPLICATION
VIRUS REPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: PCT/US02/09187
PRIOR PLING DATE: 2001-00-08
PRIOR PLING DATE: 2001-00-08
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-26
PRIOR PLING DATE: 2001-10-26
PRIOR PLING DATE: 2001-10-36
PRIOR PLING DATE: 2001-10-36
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2000-07-07
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SOFTWARE: Patentin version 3.0
SEQ ID NO 4006
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                              1; Indels
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93.8%; Pred. No. 2.4e+02;
                                                                                                                                                                                                                                                                                           Score 14.4; DB 1;
Pred. No. 2.4e+02;
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                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 4006, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, MacSajak
APPLICANT: James, McSwiggen
APPLICANT: David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                           1400 AGCGCACCGGCCCGGC 1415
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: Patentin version 3.0
                                                                                                                                                                                                                                                                                           Query Match 0.9%;
Best Local Similarity 93.8%;
Matches 15; Conservative (
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ORGANISM: Artificial Sequence
                                                                                                                                                              ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1852
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Best Local Similarity
                                                                                                 SEQ ID NO 1852
                                                                                                                                LENGTH: 17
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APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcoub, Dan
APPLICANT: Stinchcoub, Dan
APPLICANT: Stinchcoub, Dan
APPLICANT: Stinchcoub, Dan
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT APPLICATION NUMBER: US/10/287,949A
SOFTWARE: PatentIn version 3.0
SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
LENGTH: 17
                TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REFERENCE: MBH800-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287, 949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6124
LENGTH: 17
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Sequence 1852, Application US/10712672

Publication No. US20040102413A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: By Experiment Standard Company

APPLICANT: McSwiggen, Jim

FILE REFERENCE: MBHB00-882-C (400/019)

CURRENT PLLING DATE: 2003-11-13

FRIOR FILING DATE: 2000-08-31

FRIOR APPLICATION NUMBER: 60/150,713

FRIOR FILING DATE: 2000-04-14

FRIOR FILING DATE: 1999-08-31

FRIOR FILING DATE: 1999-08-31
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; Sequence 8044, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1512 ACCCCAGGCAACTITC 1527
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1es 12; Conservative
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Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Homo sapiens
US-10-287-949A-6124
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ORGANISM: Homo sapiens
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PRO105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 2293
LENGTH: 17
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Pred. No. 2.4e+02;
0; Mismatches 1;
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Publication No. US20040137589A1
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
Publication No. US20040137589A1
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: Raturica, Lavavoo
APPLICANT: Raturica, Lavavoo
APPLICANT: Raturica, Lavavoo
APPLICANT: Blisabeth, Roherts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICANTION
TITLE OF INVENTION: UTRUS REPLICANTION
FILE REPERRNCE: 400/042US (MAHBO2-249-E)
CURRENT FILING DATE: 2003-03-23
FRIOR PLICATION NUMBER: US 60/256,876
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR PLING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR PLING DATE: 2000-03-06
PRIOR PLING DATE: 2000-03-06
PRIOR PLING DATE: 2000-03-10
PRIOR PLING DATE: 2000-03-03
PRIOR PLING DATE: 2000-03-04
PRIOR PLING DATE: 2000-03-05
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       Gaps
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 75.0%; Pred. No. 2.4e+02;
Matches 12; Conservative 3; Mismatches 1; Indels
     Indels
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       Mismatches
                                                                                                                                                                                                                          Sequence 5736, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 2293, Application US/10723361
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                                                         133 ATGGAGGCTGTGAAGG 148
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Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                                                                        16 ATGGAGGCTGTGAATG 1
       15; Conservative
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          Matches
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APPLICANT: AND MACK

APPLICANT: SHANNON, MACK

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105

CURRENT PILING DATE: 2003-11-25

PRIOR PILING DATE: 2000-10-05-25

PRIOR PILING DATE: 2000-10-05-26

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2001-01-04

PRIOR PILING DATE: 2001-01-05

PRIOR PILING DATE: 2001-01-01-05

PRIOR PILING DATE: 2001-01-01
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
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                                                                                                                                                                                Length 17;
                                                                                                                                                                                                                                                                     1; Indels
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93.8%; Pred. No. 2.4e+02;
tive 0; Mismatches 1;
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Best Local Similarity 93.8%; Pred. No. 2.4e+02;
Matches 15; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 2297, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G,
APPLICANT: HANZEL, David K,
APPLICANT: CHEN, Wensheng
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                           553 CTACGGCTGTGGGCCA 568
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                                                                                                                                                                                Query Match
Best Local Similarity 93.8<sup>3</sup>
Matches 15; Conservative
; TYPE: DNA
; "ORGANISM: Homo sapiens
US-10-723-361-2296
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 153
US-10-723-361-2297/c
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: FENN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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                                                                                 PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PLILONG DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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CURRENT PELLING DATE: 2003-11-26

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR FILING DATE: 2003-11-26

PRIOR FILING DATE: 2000-10-25

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-06-26

PRIOR PILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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                                                                            APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   556 CGGCTGTGGGCCAGGG 571
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US-10-723-361-2294
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Gaps
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6629
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APPLICANT: Cowsert, Lex M.
APPLICANT: Cowsert, Lex M.
APPLICANT: Monia, Brett P.
APPLICANT: Monia, Brett P.
APPLICANT: Monia, Brett P.
TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION
FILE REFERENCE: ISPH-0321
CURRENT APPLICATION NUMBER: US/10/067,125
CURRENT FILING DATE: 2002-02-04
PRIOR APPLICATION NUMBER: 09/167,109
PRIOR FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 42
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 2.4e+02; ative 0; Mismatches 1; Indels
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APPLICANT: Cowsert, Lex M.
APPLICANT: Monia, Brett P.
APPLICANT: Xu, Xiaoxing S.
TITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION FILE REFERENCE: ISPH-0321
                  PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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; OTHER INFORMATION: antisense sequence US-10-067-125-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 129, Application US/10067125; Publication No. US20030055015A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 42, Application US/10067125
Publication No. US20030055015A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 93.8
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
CORGANISM: Homo sapiens
US-10-723-361-6629
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                                                                                                                                APPLICANT: CHEN, WEBBERGY
APPLICANT: CHEN, WEBBERGY
APPLICANT: CHEN, WEBBERGY
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: BEGIOS
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT PILING DATE: 2003-11-26
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-00-04
PRIOR PILING DATE: 2000-00-04
PRIOR PILING DATE: 2000-00-07
PRIOR PELING DATE: 2000-10-04
PRIOR PILING DATE: 2001-01-30
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Sequence 6629, Application US/10723361
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: ANK, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE REPERCECE: PRO105.
CURRENT APPLICATION NUMBER: US/10/723,361
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PRIOR FILING DATE: 2001-05-25
PRIOR PELING DATE: 2000-05-25
PRIOR PELING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-36
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
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                           PENN, Sharron G.
HANZEL, David K.
                                                                                     RANK, David R. CHEN, Wensheng
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ORGANISM: Homo sapiens
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US-10-723-361-6629
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US-10-244-744/,

Sequence 477. Application US/10244647

Publication No. US20030206887A1

GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceutical, Inc.

APPLICANT: Morriseey, David

TITLE OF INVENTION: RNA Interfering Nucleic Acid (siNA)

FILE REFERENCE: 400/60 (NRHBB02-1000)

CURRENT APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-07-03

PRIOR PILING DATE: 2002-07-03

PRIOR PILING DATE: 2002-07-03

PRIOR PILING DATE: 2001-06-08

PRIOR PILING DATE: 2001-06-08

PRIOR PILING DATE: 2001-06-08

NUMBER OF SEQ ID NOS: 1524

SOFTWARE: Patentin Version 3.0

FEAST IN NOW 477

FEAST IN NOW 477
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Publication No. US20030206887A1
GENERAL INFORMATION:
HOPERATION:
APPLICANT: Ribozyme Pharmaceutical, Inc.
APPLICANT: Morrissey, David
APPLICANT: Morrissey, David
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV) Us
FILE REPERENCE: 400/060 (MBHB02-1000)
CURRENT APPLICATION NUMBER: US/10/244,647
CURRENT APPLICATION NUMBER: US 60/358,580
PRIOR APPLICATION NUMBER: US 60/338,580
PRIOR PRIOR PLING DATE: 2002-07-03
PRIOR PRIOR FILING DATE: 2002-07-03
PRIOR PRIOR FILING DATE: 2002-07-03
PRIOR PRIOR FILING DATE: 2002-07-03
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US-10-244-647-477
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                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                           Length 18;
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Best Local Similarity 50.0%; Pred. No. 3e+02;
Matches 8; Conservative 7; Mismatches 1;
                                                                                                                                                           Query Match . 0.9%; Score 14.4; DB 1; Best Local Similarity 75.0%; Pred. No. 2.7e+02; Matches 12; Conservative 3; Mismatches 1;
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ORGANISM: Artificial Sequence
   ; TYPE: RNA
; ORGANISM: Homo Bapiens
US-10-287-949A-2168
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; Sequence 2168, Application US/10289A1
; Publication No. US20040102389A1
; Publication No. US20040102389A1
; GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Bavco, Pam
    APPLICANT: Bavco, Pam
    APPLICANT: Bavco, Dan
    APPLICANT: Brinchcomb, Dan
    APPLICANT: Brinchcomb, Dan
    APPLICANT: Brinchcomb, Dan
    APPLICANT: Brinchcomb, Dan
    APPLICANT: Stinchcomb, Dan
    APPLICANT: 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: McSwiggen, Jim
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Sinchcond. Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 2168
LENGTH: 18
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CURRENT APPLICATION NUMBER: US/10/067,125
CURRENT FILING DATE: 2002-02-04
PRIOR APPLICATION NUMBER: 09/167,109
PRIOR FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 129
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 2168, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                      , OTHER INFORMATION: antisense sequence US-10-067-125-129
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 621 CGCCGTGGTGCTGC 636
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                                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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US-10-287-949A-2168
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US-10-138-674-2168
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103-09-848-754A-9223/c

| Sequence 9223, Application US/09848754A
| Publication No. US20030073207A1
| Publication No. US20030073207A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related:
| TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
| FILE REFERENCE: MBH800-958-I (400/018)
| CURRENT APPLICATION NUMBER: US/09/848,754A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
US-10-244-647-1133
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publication No. US20040009946A1

GENERAL INPORMATION:
APPLICANT: Lewis, Stephen Patrick
APPLICANT: Klinghoffer, Richard
APPLICANT: Wilson, Linda K.
TITLE OF INVENTION: MODULATION OF PTPLB SIGNAL TRANSDUCTION
TITLE OF INVENTION: BY RNA INTERFERENCE
FILE REFERENCE: 200125.441
CURRENT APPLICATION NUMBER: US/10/444,925
CURRENT FILING DATE: 2003-05-23
NUMBER OF ISEQ ID NOS: 599
SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 19;
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Short Interfering Nucleic Acid (siNA)
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93.8%; Pred. No. 3e+02;
tive 0; Mismatches 1;
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0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 3e+02;
Matches 15; Conservative 0; Mismatches 1:
                             FILE REFERENCE: 400/060 (MBHB02-1000)
CURRENT APPLICATION NUMBER: US/10/244,647
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2003-04-14
PRIOR FILING DATE: 2002-02
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
PRIOR PILING DATE: 2002-03-26
PRIOR PILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SECTION OF THE PARTICAL ON NUMBER: US 60/296,876
PRIOR PILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SECTION OF THE PARTICAL ON NUMBER: US 60/296,876
SECTION OF THE PARTICAL ON NUMBER OF SECTION 3.0
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ORGANISM: Artificial Sequence
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Best Local Similarity 93.8
Matches 15; Conservative
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Sequence 1123, Application US/10244647

Publication No. US20030206887A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceutical, Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: McSwiggen, James
APPLICANT: Nort Interfering Nucleic Acid (siNA)
FILE REFRENCE: 4000/600 (HRH02-1000)
FILE REFRENCE: 4000/600 (HRH02-1000)
FILE REPRENCE: 4000/600 (HRH02-1000)
FILE REPRENCE: 2003-04-14
FRIOR PLILNG DATE: 2002-02-20
FRIOR PLILNG DATE: 2002-02-30
FRIOR FILING DATE: 2002-03-26
FRIOR FILING DATE: 2002-03-26
FRIOR FILING DATE: 2001-06-08
FRIOR FILING DATE: 2001-06-08
FRIOR APPLICATION NUMBER: PCT USO2/99187
FRIOR APPLICATION NUMBER: US 60/296,876
FRIOR FRIDRE OF SEQ ID NOS: 1524
FRIOR FRIDRE OF SEQ ID NOS: 1524
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Publication No. US20030206887A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceutical, Inc.

APPLICANT: Morrissey, David

APPLICANT: McSwiggen, James

APPLICANT: Beigelman, Leonid

TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
                                                                                                                                                                                                                                                                                                                                                                  OTHER INFORMATION: Description of Artificial Sequence: Target sequence/siNA sense
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 14.4; DB 1; Length 19; 50.0%; Pred. No. 30+02; tive 7; Mismatches 1; Indels
   PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PatentIn version 3.0
SEQ ID NO 487
LENGTH: 19
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                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity 50.0%
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Matches 15; Conservative
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Sequence 3142, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICAMY: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C. Virus Infection
TITLE OF INVENTION: Hepatitis C. Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT PAPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn Version 3.0
SEQ ID NO 3142
LENGTH: 17
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors FILE REPERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
SEQ ID NO 1114
LENGTH: 17
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Publication No. US20030125270A1
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C virus Infection
FILE REPERBUCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT APPLICATION NUMBER: US/09/740,332
NUMBER OF SEC ID NOS: 9704
SOFTWARE: Patentin version 3.0
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Best Local Similarity 78.6%;
Matches 11; Conservative
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ORGANISM: artificial sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       340 CTGATGGAGGTGCA 353
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Matches 14; Conservative
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US-09-848-754A-1114
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NAME/KEY: misc_feature
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US-09-740-332-3142
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LENGTH: 17
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Sequence 2.545, Application US/09877478

Fublication No. US20030068301A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blact, Larry

APPLICANT: Blact, Larry

APPLICANT: Mossigen, Jim

TILE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication

FILE REFERENCE: MBHB00-845-H (400/029)

CURRENT APPLICATION NUMBER: US/09/877,478

CURRENT FILING DATE: 2001-12-31

PRIOR FILING DATE: 2000-10-39

PRIOR APPLICATION NUMBER: US 09/637,12

PRIOR APPLICATION NUMBER: US 09/637,135

PRIOR PELICATION NUMBER: US 09/636,347

PRIOR PELICATION NUMBER: US 08/193,627

PRIOR PELICATION NUMBER: US 08/193,627

PRIOR PELICATION NUMBER: US 08/434,504

PRIOR PELICATION NUMBER: US 08/434,504

PRIOR PELICATION NUMBER: US 08/434,504

PRIOR PELICATION NUMBER: US 08/436,430

PRIOR PELICATION NUMBER: US 08/436,430
                                                                                                                                                                                                                                                       , OTHER INFORMATION: Description of Artificial Sequence: Enzymatic Nucleic acid US-09-848-754A-9223
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0.9%; Score 14; DB 1; Li
Best Local Similarity 100.0%; Pred. No. 2.8e+02;
Matches 14; Conservative 0; Mismatches 0;
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Sequence 1114, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
            CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
SEQ ID NO 9223
LENGTH: 15
                                                                                                                                                          TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      341 TGATGGAGGTGCAG 354
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US-09-877-478-2245/c
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: Messaggen, Jim
APPLICANT: Messaggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Levels of Vascular Endothelial Growth Factor Receptor
FILLE OF INVENTION INMER: US/10/049)
CURRENT APPLICATION NUMBER: US/10/138,674
NUMBER OF SEQ ID NOS: 2002-05
NUMBER OF SEQ ID NOS: 2002-05
SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REFERENCE: MBH800-876-N (400/049)
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARER: PatentIn version 3.0
SEQ ID NO 6125
LENGTH: 17
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Pred. No. 2.8e+02;
3; Mismatches 0; Indels
                                                                                                                                                                     0.9%; Score 14; DB 1; Length 1/; 78.6%; Pred. No. 2.8e+02; uismatches 0; Indels
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APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
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; Sequence 6125, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 6126, Application US/10138674; Publication No. US20040077565A1; GENERAL INFORMATION:
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               SOFTWARE: Patentin version 3.0 SEQ ID NO 6125 LENGTH: 17
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Best Local Similarity 78.6
Matches 11; Conservative
NUMBER OF SEQ ID NOS: 20822
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US-10-138-674-6126
                                                                                                                     ; ORGANISM: Homo sapiens
US-10-138-674-6125
                                                                                                                                                                                                                   Sest Local Similarity
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US-10-138-674-6126
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                                                                                                TYPE: RNA
                                                                                                                                                                                               Query Match
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Sequence 2245, Application US/10342902

Publication No. US20040054156A1

GENERAL INFORMATION:

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: McSwigen, Jim

PRICA REFERENCE: 400/075 (MBHB00-845-I)

CURRENT FILING DATE: 2000-01-15

PRIOR FILING DATE: 2000-08-09

PRIOR FILING DATE: 2000-08-09

PRIOR FILING DATE: 2000-08-09

PRIOR FILING DATE: 2000-08-09

PRIOR FILING DATE: 1994-02-07

PRIOR FILING DATE: 1994-02-07

PRIOR FILING DATE: 1994-02-07

PRIOR FILING DATE: 1999-11-08

PRIOR FILING DATE: 1999-11-08

PRIOR FILING DATE: 1999-11-08

NUMBER OF SCO ID NOS: 6592

SOFTWARE: Patentin Version 3.2

SSQ ID NOS: 6592

SSQ ID NO 2245
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dam
APPLICANT: Stinchcomb, Daime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions of TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION NUMBER: US/10/138,674
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                                                                            Score 14; DB 1; Lengtn 1,,
Pred. No. 2.8e+02;
O; Indels
  ; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3142
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Sequence 6125, Application US/10138674
Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.;
APPLICANT: Pavco, Pam
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illarity 78.6%;
Conservative
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                                                                                                                                                                                                                                                  3 Auggaggcugugaa 16
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Best Local Similarity 100.0
Matches 14; Conservative
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Matches 11; Conserva
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US-10-342-902-2245/c
                                                                                                      Query Match
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OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
FEATURE:
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR FILING DATE: 2000-12-18
PRIOR PILING DATE: 2000-07-07
PRIOR FILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-02-15
PRIOR PILING DATE: 2000-02-15
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: Patentin version 3.0
SEQ ID NO 2048
LENGTH: 17
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                                                                                                                                                                                                                                                                                            Length 17;
                                                                                                                                                                                                                                                                                          Query Match 0.9%; Score 14; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 2.8e+02; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 5735, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc. APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                         261 AGGTTCCTTGAGCA 274
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David, Morrissey
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Patrice, Lee
Kenneth, Draper
                                                                                                                                                                                                                  ; TYPE: RNA; ORGANISM: Hepatitis B Virus US-10-669-841-2048
                                                                                                                                                                                                                                                                                                                                                                                                             14 AGGTTCCTTGAGCA 1
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APPLICANT:
APPLICANT:
APPLICANT:
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TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: US/10/669,841
PRIOR PLILNG DATE: 2001-00-36
PRIOR PLLING DATE: 2001-00-36
PRIOR PLLING DATE: 2001-10-24
PRIOR PLLING DATE: 2001-0-20
PRIOR PLLING DATE: 2001-0-20
PRIOR PLLING DATE: 2002-02-0
PRIOR PLLING DATE: 2002-02-0
PRIOR PLLING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2001-03-26
                                                                                                                                                                            Sequence 6126, Application US/10287949A

Sequence 6126, Application US/10287949A

Subjication No. US20040102389A1

GENERAL INFORMATION:

APPLICANT: Rabozyme Pharmaceuticals, Inc.

APPLICANT: Bacco, Pam

APPLICANT: Baccobdo, Jaim

APPLICANT: Stinchicomb, Dan

APPLICANT: Stinchicomb, Dan

APPLICANT: Brochedo, Jaime

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION UNWERR: US/10/287,949A

CURRENT FILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 20822

SOFTWARE: Patentin version 3.0

SEQ ID NO 6126

LENGTH: 17
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    78.6%; Pred. No. 2.8e+02;
tive 3; Mismatches 0;
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APPLICANT: Sirna Therapeutics, Inc.
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78.6%;
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Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                              945 GGCCGCCTCTGTG 958
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Best Local Similarity 78.69
Matches 11; Conservative
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Kenneth, Draper
                      11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Homo Bapiens
  Best Local Similarity
Matches 11; Conserv
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APPLICANT:
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Gaps

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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: How, Sharton G,
APPLICANT: How, Sharton G,
APPLICANT: How, Sharton G,
APPLICANT: How, Sharton G,
APPLICANT: How, Wensher
TITLE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: MYGSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REFRESSUR: ASOMICA: 2000-52.2
CURRENT APPLICATION WUMBER: US/09/066,108
CURRENT APPLICATION WUMBER: US 60/207,456
REIOR APPLICATION WUMBER: GO 60-20
REIOR APPLICATION WUMBER: GO 60-20
REIOR APPLICATION WUMBER: POT/USO1/0666
REIOR PEDICATION WUMBER: US POT/USO1/0667
REIOR REILING DATE: 2001-01-30
REIOR REILING DATE: 2001-01
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0.9%; Score 14; DB 1; Length 18; 00.0%; Pred. No. 3e+02; ve 0; Mismatches 0; Indels
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88.2%; Pred. No. 2.9e+02;
cive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                             Sequence 931, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
     0.33,
100.0%; Pre
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
Matches 15; Conser
                        Best Local Similarity
Matches 14; Conserv
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     Query Match
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; Sequence 283, Application Word US20040018618A1
GENERAL INFORMATION:
Bauer, S. C.
Braford-Goldberg, Sarah R.
Gaparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
Polazzi, Osseph O.
TITLE OF INVENTON: Interleukin-3 (IL-3) Mutant Polypeptides
NUMBER OF SEQUENCES: 549
CORRESPONDENCE ADDRESS:
ADDRESSEE: Carol M. Nielsen, Gardere Wynne Sewell LLP,
STREET: 1601 Elm Street, Suite 3000
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MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

PELLING DATE: 19-Jun-2002

CLASSIFICATION: Unknown
                                                                                                                                       Score 14; DB 1; Length 17;
Pred. No. 2.8e+02;
3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 37,676
REFERENCE/DOCKET NUMBER: 126181-1056 (C2713/1)
TELECOMMUNICATION INFORMATION:
TELEPHONE: (713)276-5383
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/981044
FILING DATE: 24-NOV-1992
APPLICATION NUMBER: PCT/US3/11198
FILING DATE: 22-NOV-1993
APPLICATION NUMBER: US 08/411796
FILING DATE: 09-APR-1995
APPLICATION NUMBER: US 08/559390
FILING DATE: 15-NOV-1995
ATTORNEY/AGENT INFORMATION:
NAME: Carol M. Nielsen
                                    // OTHER INFORMATION: oligonuclectide substrate
US-10-669-841-5735
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TOPOLOGY: linear MOLECULE TYPE: DNA (synthetic) SOUTENCE DESCRIPTION: SEQ ID NO: 283: US-10-179-940-283
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INFORMATION FOR SEQ ID NO: 283:
SEQUENCE CHARACTERISTICS:
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STRANDEDNESS: single
                                                                                                                                          Query Match 0.9%;
Best Local Similarity 78.6%;
Matches 11; Conservative
                                                                                                                                                                                                                                                      133 ATGGAGGCTGTGAA 146
                                                                                                                                                                                                                                                                                     3 AUGGAGGCUGUGAA 16
             NAME/KEY: misc_feature
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US-10-179-940-283
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Gaps

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APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: 2001-05-25
: SHANNON, Mark
INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Pred. No. 2.9e+02;
0; Mismatches 2;
                                                                        FILE REFERENCATON NUMBER: US/09/866,108
CURRENT PELLING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION 
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PRIOR PRIOR NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Conservative
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CORGANISM: Homo sapiens
US-09-866-108-1647
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Best Local Similarity
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APPLICANT:
APPLICANT:
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IITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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Pred. No. 2.9e+02;
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/24,687
PRIOR PELING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR PELING DATE: 2000-09-20
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: PCT/USO1/00664
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00665
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: PCT/US01/00668
                               36, Application US/09866108
US20020048800A1
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Patent No. US20020048800A1
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Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                                                 JI, Yonggang
PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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CORGANISM: Homo sapiens
US-09-866-108-1536
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; ORGANISM: Homo sapiens US-09-866-108-2291
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APPLICANT: GU, Yizhong

APPLICANT: JI, Yongqang

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David R.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7
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Pred. No. 2.9e+02;
0; Mismatches 2;
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PILING DATE: 2001-01-30
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-04
PRIOR PLILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PLILNG DATE: 2001-01-30
PRIOR PLILNG DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
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Patent No. US20020048800A1
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Best Local Similarity 88.2%;
Matches 15; Conservative (
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US-09-866-108-2291/c
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ORGANISM: Homo sapiens
US-09-866-108-2295
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ORGANISM: Homo sapiens
US-09-866-108-2298
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PPLICANT: HANZEL, David K.
PPLICANT: HANZEL, David K.
PPLICANT: RANK, David R.
PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, MARK
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ILE REPERRNCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 2.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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PRIOR FILING DATE: 2000-10-04

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PRIOR FILING DATE: 2000-10-05

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PRIOR PILING DATE: 2001-01-30

PRIOR PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR APPLICATION NUMBER: US 60/266,860
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2292
LENGTH: 17
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CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-2292
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                           Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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       Length 17;
                                                                           Indels
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
Query Match 0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR FILING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-07

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-31

PRIOR PRIOR SEQ ID NOS: 15752

PRIOR PLING SEQ ID NOS: 15752

PLEASTH PRIOR PLING SEQ ID NOS: 15752
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 2298, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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APPLICANT:
APPLICANT:
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                                                                          GENERAL INFORMATION:

APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: ALANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: MARK
FILE REFERENCE: ABOMICA-7
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-07
PRIOR PILING DATE: 2000-10-27
PRIOR PILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
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US-09-866-108-2300/c
; Sequence 2300, Application US/09866108
; Patent No. US20020048800A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: Ji, Yonggang
; APPLICANT: PENN, Sharron G.
                       Sequence 2299, Application US/09866108
Patent No. US20020048800A1
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Best Local Similarity 88.2
Matches 15; Conservative
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CORGANISM: Homo sapiens
US-09-866-108-2299
-09-866-108-2299/c
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APPLICANT: APPLICANT: ANAMA, DAYLA K.
APPLICANT: GARA, DAYLA K.
APPLICANT: GARA, DAYLA K.
TITLE OF INVENTION: MARK
TITLE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCILE
TITLE OF INVENTION: WORDER: US/09/866,108
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: UT SCOORES
PRIOR APPLICATION NUMBER: UT SCOOR 09-21
PRIOR APPLICATION NUMBER: UT SCOOR 09-20
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2;
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PRIOR APPLICATION NUMBER: US/09/866,108
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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SOFTWARE: Acomica Sequence Listing Engine
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhon
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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Best Local Similarity 88.2
Matches 15; Conservative
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RANK, David R. CHEN, Wensheng
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US-09-866-108-2300
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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Best Local Similarity 88.23
Matches 15; Conservative
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CORGANISM: Homo sapiens
US-09-866-108-9024
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ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: ADOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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Pred. No. 2.9e+02;
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR PLING DATE: 2001-01-30
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FILING DATE: 2001-01-30
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Patent No. US20020048800A1
GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA - ORGANISM: Homo sapiens US-09-866-108-6916
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APPLICANT: CHEN, Wencheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: ABOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT PILING DATE: 2000-05-26
PRIOR PELICATION NUMBER: US 60/2307,456
PRIOR PELICATION NUMBER: US 60/230,359
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00667
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2;
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SUGTAMARE: Acomica Sequence Listing Engine
SEQ ID NO 9224
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US-09-827-998-760
   SEQ ID NO 10674
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                                         LENGTH: 17
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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CURRENT PEDLICATION NUMBER: US/09/866,108

CURRENT FILING DATE: 2001-05-25

PRIOR PEDLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-30

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00661

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670

PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR RILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2001-05-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 10673
LENGTH: 17
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Homo sapiens
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US-09-82.7958-760, Application US/09827998

Sequence 760, Application US/09827998

Patent No. US20020102252A1

GENERAL INPORMATION:

APPLICANT: GJANDON, MAIK

TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REFERENCE: MDAWORF-8

CURRENT FILING DATE: 2001-04-06

PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

NUMBER OF SEQ ID NOS: 1881

SOFFWARE: Acomica Sequence Listing Engine
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2; Indels
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                                                           Query Match 0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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Best Local Similarity 88.2%;
Matches 15; Conservative 0
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Best Local Similarity 88.2
Matches 15; Conservative
TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-10674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA; ORGANISM: Homo sapiens
US-09-827-998-760
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US-09-664-785-407

US-09-664-785-407

Sequence 407, Application US/09864785

Fatent No. US2002017568A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Branchcomb, Dan

APPLICANT: Mewiggen, Jim

TITLE OF INVENTION: Levels of NF-Kappa B

FILE REFRENCE: 400/022 (MBHB00-812-D)

CURRENT FILION DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3929

SOFTWARE PATENTION OF SEQ ID NOS: 3929
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Batent No. US2002017568A1

Patent No. US2002017568A1

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jam
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT FILING DATE: 2001-05-23
CURRENT FILING DATE: 2001-05-23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
US-09-864-785-1592
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58.8%; Pred. No. 2.9e+02;
tive 5; Mismatches 2;
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 1592
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 10; Conserv
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US-09-864-785-1592
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US.09-825-805-768
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US-09-864-785-346/C

Sequence 346, Application US/09864785

Patent No. US20020177568A1

GENERAL INPORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Braper, Ken

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Levels of NP-Kappa B

FILE REFERENCE: 400/022 (MBHB00-812-D)

CURRENT APPLICATION NUMBER: US/09/864,785

CURRENT PILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3929

SOFTWARE: PatentIn version 3.0

SEQ ID NO 346

LENGTH: 17
                                                                                                                                                                                      Sequence 345, Application US/09864785

Sequence 345, Application US/09864785

Patent No. US2002017568A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D).
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0

SEQ ID NO 345
LENGTH: 17
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0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 2.9e+02;
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                                                    824 TCTTCTGCCCAACACTC 840
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 88.2<sup>3</sup>
Matches 15; Conservative
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US-09-848-754A-1111/c
US-09-848-754A-1111/c
US-09-848-754A-1111/c
Sequence 1111, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-780-533A-1164

i Sequence 1164, Application US/09780533A

i Publication No. US20030060611A1

i GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: Habberli, Pete

APPLICANT: Habberli, Pete

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene

TITLE OF INVENTION WHRER: US/09/780,533A

CURRENT FILING DATE: 2001-02-09

FRICK APPLICATION NUMBER: US 60/181,797

PRIOR FILING DATE: 2000-02-11
                                                                                                                                                                   APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Chowrins, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REPERENCE: MHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US 60/011
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR APPLICATION NUMBER: US 60/181,797
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
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58.8%; Pred. No. 2.9e+02;
7ative 5; Mismatches 2;
                                                                                                                                       APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                  Sequence 739, Application US/09780533A Publication No. US20030060611A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              722 TGAAAAGCTACTCCTTC 738
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SEQ ID NO 1164
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
CORGANISM: Homo sapiens
US-09-780-533A-739
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Best Local Similarity
             US-09-780-533A-739/c
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APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Sweedler, Dave
APPLICANT: Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FURBER APPLICATION NUMBER: US/09/825,805
CURRENT FILING DATE: 2001-09-27
FRIOR FILING DATE: 1999-12-30
FRIOR PLILING DATE: 1999-12-30
FRIOR PLILING DATE: 1999-12-30
FRIOR PLILING DATE: 1999-12-30
FRIOR PLILING DATE: 1999-11-04
FRIOR FILING DATE: 1999-11-04
FRIOR FILING DATE: 1999-11-04
FRIOR FILING DATE: 1999-11-04
FRIOR FILING DATE: 1999-11-05
FRIOR FILING DATE: 1999-04-28
FRIOR FILING DATE: 1990-04-28
FRIOR F
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APPLICANT: Blact, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Chowriza, Bharat
APPLICANT: Chowriza, Bharat
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011)
CURRENT APPLICATION NUMBER: US 60/181,797
PRIOR PRILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SEQ ID NO 79
LENGTH: 17
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11.2%; Pred. No. 2.9e+02;
ve 8; Mismatches 2; Indels
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Sequence 79, Application US/09780533A
Publication No. US20030060611A1
GENERAL INFORMATION:
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Best Local Similarity 41.2%;
Matches 7; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Sequence 560, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwigsen, Jim
TILLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FLING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
                                                                                                                                              Sequence 333, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: Method and Reagent for the Treatment of Alzheimer's Disease
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
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Publication No. US20030092646A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICANTON VUMBER: US/09/780,164
CURRENT FILING DATE: 2001-02-09
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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Db 1 GUGCUGGGCGCUGCC 17
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ORGANISM: Homo Sapiens
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ORGANISM: Homo Sapiens
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US-09-780-164-440/c
                                                                                                                              US-09-930-423-333/c
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Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEO ID NOS: 9645
SOFTWARE: Patentin version 3.0
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Publication No. US20030073207A1
GENERAL INFORMATION:
TITLE OF INVENTION: Braymatic Nucleic Acid Treatment of Diseases
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFRENCE: MBHBOO-958-1 (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
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             FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1111
LENGTH: 17
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Best Local Similarity 70.6%;
Matches 12; Conservative
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                                                                                                                                                                                                      TYPE: RNA
CORGANISM: Homo sapiens
US-09-848-754A-1111
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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LENGTH: 17
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Sequence 244, Application US/09792818

Sequence 244, Application US/09792818

Publication No. US20030134806A1

GRNERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Hamblin, Jan

APPLICANT: Hamblin, Jim

APPLICANT: Hamblin, Paul

APPLICANT: Hamblin, Paul

APPLICANT: Hamblin, Paul

APPLICANT: Hamblin, GRID) Gene

FILE REFERENCE: MBHB00-901-A (400/013)

CURRENT FILING DATE: 2001-02-23

NUMBER OF SEQ ID NOS: 2304

SOFTWARER: Patentin version 3.0
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APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: Wish Carlowitz, Ira
APPLICANT: Hamblin, Paul
APPLICANT: Hamblin, Paul
APPLICANT: Hamblin, Paul
APPLICANT: Bland Reagent for the Inhibition of Grb-2-related with Insert
TITLE OF INVENTION: (GRID) Gene
TITLE OF INVENTION: (GRID) Gene
TITLE OF INVENTION: (MANDER: US/09/792,818
CURRENT APPLICATION NUMBER: US/09/792,818
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 2304
SSG TURENT ENERGY PRINTED
SSG ID NO 892
LENGTH: 17
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Pred. No. 2.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 892, Application US/09792818; Publication No. US20030134806A1; GENERAL INFORMATION:
                                                                                                                                                                                                                      904 GCCCAGGCCCTGGGATG 920
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                                                                                                                       Query Match
Best Local Similarity 88.23
Matches 15; Conservative
                         ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-827-395A-887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo sapiens US-09-792-818-244
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US-09-792-818-892
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Best Local Similarity
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US-09-792-818-892
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LENGTH: 17
LENGTH: 17
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Sequence 215, Application US/09827395A

Publication No. US20030113891A1

SEQUENCE 215, Application US/09827395A

Publication No. US220030113891A1

SEQUENCE INFORMATION:

APPLICANT: Lawrence Blatt

APPLICANT: Lawrence Blatt

APPLICANT: Lawrence Blatt

APPLICANT: Mames McSwiggen

APPLICANT: Mames McSwiggen

TITLE OF INVENTION: Mcthod and Reagent for the Inhibition of NOGO Receptor G

FILLE REFERENCE: MBHB00-878-C (400/017)

CURRENT APPLICATION NUMBER: US/09/827,395A

CURRENT FILING DATE: 2001-02-09

PRIOR APPLICATION NUMBER: 60/181,797

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 2617

SOFTWARE: PatentIn version 3.0

SEQ ID NOS: 2617

FENCE 11 NO 215
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Publication No. US20030113891A1

GENERAL INFORMATION:

APPLICANT: Lawrence Blatt

APPLICANT: Danes McSwiggen

APPLICANT: Bharat Chowringen

APPLICANT: Bharat Chowringen

APPLICANT: Bharat Chowringen

APPLICANT: Bharat Chowringen

APPLICANT: James McSwiggen

APPLICANT: Bharat Chowringen

APPLICANT: Bharat Chowringen

APPLICANT: James McSwiggen

CURRENT BHEO-879-C (400/017)

CURRENT APPLICATION NUMBER: US/09/827,395A

FRIOR APPLICATION NUMBER: 09/780,533

PRIOR APPLICATION NUMBER: 60/181,797

PRIOR FILING DATE: 2000-02-01

NUMBER OF SEQ ID NOS: 2617

SOFTWARE: Patentin version 3.0

SEQ ID NO 887
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                                                                                                                                                                                                                                                      Length 17;
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Pred. No. 2.9e+02;
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     PRIOR APPLICATION NUMBER: 60/185,516
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                       PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: Patentin version 3.0
SEQ ID NO 440
LENGTH: 17
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Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-780-164-440
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Zhang, Jian
APPLICANT: Gu, Yiahong
ITILE OF INVENTION: HUMAN UDP-GALNAC: POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 10
FILE REFERENCE: PED158
CURRENT APPLICATION NUMBER: US/10/066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PLING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 17;
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18.2%; Pred. No. 2.9e+02;
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                         CURRENT APPLICATION NUMBER: US/10/060, 930
CURRENT FILING DATE: 2002-01-30
PRIOR FILING DATE: 2002-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 221, Application US/10060895A Publication No. US20030104403A1
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ORGANISM: Homo sapiens
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Matches 15, Conserv
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US-10-060-895A-221/c
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Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blact, Larry
APPLICANT: BACK, Larry
APPLICANT: BACK, Larry
APPLICANT: ACSWiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT PAPLICATION OF SEQUENCE 15002-04-15
SOFTWARE: Patentin Version 3.0
SOFTWARE: Patentin Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TILLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REPERBNCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
SOTTWARE: Patentin version 3.0
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1 Similarity 88.2%; Pred. No. 2.9e+02;
15; Conservative 0; Mismatches 2; Indels
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       Indels
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APPLICANT: Gu, Yizhong
APPLICANT: Nguyen, Cung-Tuong
TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
       2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Mismatches
2; Mismatches
                                                                                                                                                                                                                                                                                                           Sequence 333, Application US/09745237A Publication No. US20030143708A1 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 214
0.210-06-0830-137
5.8equence 137, Application US/10060830
Publication No. US20030032154A1
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                                                                     27 TCTGCAGAGGACAGAAG 43
                                                                                                             1 UCUUCAGGGACAGAAG 17
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   13; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Matches 15; Conserva
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Matches 15; Conserv
                                                                                                                                                                                                                                             RESULT 212
US-09-745-237A-333/c
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Gaps

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US-10-238-700-2807
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US-10-163-552-639
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GENERAL INFORMATION:

APPLICANT: GU, Yizhong

TITLE OF INVENTION: HUWAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1

FILE REPERENCE: PB0108

CURRENT APPLICATION NUMBER: US/10/0666

PRIOR APPLICATION NUMBER: US/2001-030

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-05-23

PRIOR FILING DATE: 2001-05-23

PRIOR FILING DATE: 2001-05-23

PRIOR PILING DATE: 2001-05-23

PRIOR FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3056

SOSTWARE: Acomica Sequence Listing Engine

SEQ ID NO 117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 118, Application US/10060998
Fublication No. US20030104530A1
GENERAL INFORMATION:
JAPLICANT: GU, Xizhong
TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
FILE REFERENCE: PB01108
CURRENT APPLICATION UNMBER: US/10/066,998
CURRENT FILING DATE: 2002-01-30
FRIOR PELIOR DATE: 2002-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-21
FRIOR APPLICATION NUMBER: US 60/343,331
FRIOR FILING DATE: 2001-01-221
NUMBER OF SEQ ID NOS: 3056
SEQ ID NOS: 3056
SEQ ID NO 118
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                                                                     Score 13.8; DB 1; Length 17; Pred. No. 2.9e+02;
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88.2%; Pred. No. 2.9e+02;
iive 0; Mismatches 2; Indels
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                                                                                                                 2; Indels
                                                                                                                 0; Mismatches
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                                                                                                                                                          626 TGGTGCTCTGCGCTG 642
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                                                                     Query Match 0.9%;
Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.23
Matches 15; Conservative
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Matches 15; Conservative
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CORGANISM: Homo sapiens
US-10-060-998-118
; ORGANISM: Homo sapiens
US-10-060-895A-221
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Homo sapiens
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Sequence 639, Application US/10163552
Publication No. US20030105051A1
GENERAL INFORMATION:
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: NUCLEic acid treatment of diseases or conditions related to levels
TITLE OF INVENTION: NUCLEic acid treatment of diseases or conditions related to levels
TITLE OF INVENTION: HERE?
CURRENT APPLICATION WHERE: US/10/163,552
CURRENT APPLICATION NUMBER: US/10/163,552
NUMBER OF SEQ ID NOS: 1997
SOFTWARE: Patentin version 3.0
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Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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Publication No. US20030153521A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Nucleic Acid Treatment of Dis;

FILE REFERENCE: 400/057 (MBHB01-1158-A)

CURRENT FILING DATE: 2002-09-18

PRIOR PLICATION NUMBER: PCT/US 02/16840

PRIOR FILING DATE: 2002-05-29

PRIOR PLICATION NUMBER: US 60/318,471

PRIOR PLICATION DATE: 2001-09-10
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Publication No. US20303153521A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.;
APPLICANT: McSwiggen, James
1348 CTGATACTCTTCCTTGT 1364
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1 CUCGGAACGUGCUGGUC 17
                                 17 CTGATACTCATCCTTT 1
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SOFTWARE: Patentin version 3.0
SEQ ID NO 148
LENGTH: 17
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US-10-163-552-639
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US-10-238-700-148
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US-10-238-700-148/c
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: About Blatt
APPLICANT: Ames McSwiggen
APPLICANT: Danes McSwiggen
APPLICANT: Bharat Chowrira
APPLICANT: Bharat Chowrira
APPLICANT: Brarat Chowrira
APPLICANT: Brarat Chowrira
APPLICANT: Brarat Chowrira
APPLICANT: Brarat Chowrira
APPLICANTON: Method and Reagent for the Inhibition of NOGO Receptor Ge
FILE REPRENCE: MBHB00-878-H (400/112)
FILE REPRENCE: MBHB00-878-H (400/112)
CURRENT FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 09/80/33
PRIOR PLLING DATE: 2001-02-09
PRIOR PLLING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR PRILING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: PG/181,797
PRIOR PLING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2002-04-03
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Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                   PUBLICATION NO. USCUUSINEALINE
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
ITILE OF INVENTION: HUMAN POSH-LIKE PROTEIN I
FILE STETRENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-10-10
NUMBER: OF SEQ ID NOS: 4162
                                         Sequence 1522, Application US/10061201
Publication No. US20030166229A1
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Publication No. US20030203870A1
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US-10-061-201-1522
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TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level FILE REFERENCE: 400/097 (MBHB01-1158-A)
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR PILING DATE: 2002-05-29
PRIOR PILING DATE: 2002-05-29
PRIOR FILING DATE: 2001-09-10
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Pred. No. 2.9e+02;
0; Mismatches 2; Indels
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1 Similarity 88.2%; Pred. No. 2.9e+02;
15; Conservative 0; Mismarchan
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GENERAL INFORMATION:

TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
FULE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-05-23
PRIOR PILING DATE: 2001-05-23
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 422
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 422, Application US/10061201
Publication No. US20030166229A1
GENERAL INFORMATION:
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Best Local Similarity 88.2%;
Matches 15; Conservative 0
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 2807
                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
CORGANISM: Homo sapiens
US-10-238-700-2807
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; ORGANISM: Homo sapiens
US-10-061-201-422
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Matches 15; Conserv
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US-10-675-685-760

Sequence 760, Application US/10675685

Publication No. US20040063134A1

SEQUENCE 760, Application US/10675685

Publication No. US20040063134A1

APPLICANT: GLANDON MARK

TITLE OF INVENTION: NOVEL ISOPORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REFRENCE: PROJECTION NUMBER: US/10/675,685

CURRENT FILING DATE: 2003-09-30

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-27

NUMBER OF SEQ ID NOS: 1881

SOFTWARE: Acomica Sequence Listing Engine
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Publication No. US20040063134A1
GENERAL INFORMATION:
APPLICANT: Gu. Yizhong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN
FILE REFERENCE: PB0114
CURRENT APPLICATION NUMBER: US/10/675,685
CURRENT FILING DATE: 2003-09-30
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Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                NAME/KEY: misc_feature

! LOCATION: (1)...(16)

: OTHER INFORMATION: 2'-OMe nucleotide analogs

US-10-461-790-52
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 142
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 52
LENGTH: 17
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PRIOR PILIMS DATE: 2000-05-26
PRIOR PILIMS DATE: 2000-05-26
PRIOR FILIMS DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881-
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 741
LENGTH: 17
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                                                                                                                                                  TYPE: DNA ORGANISM: Hepatitis B Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-760
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APPLICANT: Lawrence Blatt
APPLICANT: Bhazet Chowriza
APPLICANT: Peter Haeberli
ITILE OF INVENTION: Method and Reagent for the Inhibition of NOGO Receptor G
FILE REFRENCE: MBHB00-878-H (400/112)
CURRENT APPLICATION NUMBER: 02/01-02-06
PRIOR APPLICATION NUMBER: 09/780,533
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: ECT/US01/04273
PRIOR FILING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
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                                                                                                                                            Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 2.9e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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APPLICANT: Getman, Damon K.
APPLICANT: Yoshimura, Tadashi
APPLICANT: Ho-Sing-Loy, Marcy
APPLICANT: Stringfellow, Leslie A.
APPLICANT: Stringfellow, Leslie A.
TITLE OF INVENTION: Compositions and Methods for Detecting
TITLE OF INVENTION: Hepatitis B Virus
FILE REPERENCE: GP134-02.UT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 887, Application US/10430882
Publication No. US20030203870A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Publication No. US20040029111A1
GENERAL INFORMATION:
APPLICANT: Linnen, Jeffery M.
APPLICANT: Kolk, Daniel P.
APPLICANT: Getman, Damon K.
APPLICANT: Getman, Damon K.
APPLICANT: Yoshimura, Tadashi
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PRIOR APPLICATION NUMBER: 60/389,393
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                          TYPE: RNA
CORGANISM: Homo sapiens
US-10-430-882-215
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ORGANISM: Homo sapiens
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  LENGTH: 17
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APPLICANT: Pavcó, Pam
APPLICANT: MCSWiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escopedo, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
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                                                                                                                                                                                                                                                  Sequence 8162, Application US/10138674

Sequence 8162, Application US/10138674

Sequence 8162, Application US/10138674

Sequence 8162, Application US/10138674

GENERAL INFORMATION: Dearward Dearward Dearward Dearward Structure Barbory Dearward Dearward Structure Dearward Structure Dearward Structure Dearward Structure Dearward Dearward Structure Dearward Dearwa
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2;
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Best Local Similarity 76.5%; Pred. No. 2.9e+02;
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; Publication No. US20040102389A1
; GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-287-949A-3459/c;
; Sequence 3459, Application US/10287949A
; Publication No. US20040102389A1
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                                               17 GGATTCAGGAGCCATCC 1
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Matches 15; Conserv
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                                                                                                                                                                                                        RESULT 230
US-10-138-674-8362/c
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US-10-287-949A-1945
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; Sequence 3459, Application US/20138674
; Publication No. US20040077565A1
; Publication No. US20040077565A1
; GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Bacobedo, Jaim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobedo, Jaim
APPLICANT: Bacobedo, Jaim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobedo, Jaim
APPLICANT
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Pred. No. 2.9e+02;
                                                                                                                                                                                                        Length 17;
                                                                                                                                                                                                   Query Match 0.9%; Score 13.8; DB 1; Best Local Similarity 88.2%; Pred. No. 2.9e+02; Matches 15; Conservative 0; Mismatches 2;
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Local Similarity 76.5%;
hes 13; Conservative
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-675-685-761
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; ORGANISM: Homo sapiens
US-10-138-674-1945
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Sequence 1954, Application US/10712672

| Publication No. US20040102413A1
| Publication No. US20040102413A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Chowrita, Bharat
| APPLICANT: McSwiggen, Jim
| APPLICANT: Stinchcomb, Dan
| TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
| FILE OF INVENTION NUMBER: US/10/712,672
| CURRENT APPLICATION NUMBER: US/09/653,225
| PRIOR APPLICATION NUMBER: 60/197,769
| PRIOR FILING DATE: 2000-04-14
| PRIOR FILING DATE: 1999-08-31
| PRIOR FILING DATE: 1999-08-31
| PRIOR FILING DATE: 1999-08-31
| SEQ ID NO 1954
| LENGTH: 17
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Publication No. US20040102413A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chownira, Bharat
APPLICANT: Applicant of Telomerase Enzyme
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFERENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
PRIOR PILING APPLICATION WHER: US/09/653,225
PRIOR FILING DATE: 2000-08-31
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                                                                                                        PRIOR FILING DATE: 2000-08-31
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR APPLICATION NUMBER: 60/150,713
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SEQ ID NO 1213
LENGTH: 17
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Best Local Similarity 64.7
Matches 11; Conservative
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Best Local Similarity 70.6
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                     ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1213
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...erLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stochedo, Jaim
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TILE REFERENCE: Method and Reagent Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3459
TVANT
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APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 2082-
SOPTWARE: PatentIn version 3.0
SEQ ID NO 8362
LENGTH: ...
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Publication No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Jim
APPLICANT: StinchComb, Jim
APPLICANT: StinchComb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
CURRENT APPLICATION UNDER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2; Indels
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Pred. No. 2.9e+02;
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; Sequence 8362, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.;
; APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PRIOR APPLICATION NUMBER: US/09/653,225
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2
Matches 15; Conservative
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US-10-287-949A-3459
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US-10-712-672-1213
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
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SOFTWARE: Acomica Sequence Listing Engine
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CURRENT PELICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR PAPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PLING DATE: 2000-05-26
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 66/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLING DATE: 2001-01-30
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Publication No. US20040137589A1
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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CORGANISM: Homo sapiens
US-10-723-361-931
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APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowitza, Bharat
APPLICANT: Chowitza, Bharat
APPLICANT: Stinchcomb, Dan
ITILE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
ITILE OF INVENTION: MAHBOD-882-C (400/019)
CURRENT FILING DATE: 2003-11-13
PRIOR PPLICATION NUMBER: US/09/653,225
PRIOR PPLICATION NUMBER: 00/197,769
PRIOR PLILING DATE: 2000-08-11
PRIOR PPLICATION NUMBER: 60/150,713
PRIOR PLILING DATE: 1999-08-31
PRIOR PLILING DATE: 1099-08-31
PRIOR PLILING DATE: 1090-08-31
PRIOR PLILING DATE: 1005: 5566
SOFTWARE: Patentin Version 3.0
SEQ ID NOS: 5566
SEQ ID NOS: 5560
SEQ ID NOS: 5507
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yichong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
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                                                            PRIOR APPLICATION NUMBER: 60/150,713
PRIOR FILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5866
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2332
LENGTH: 17
         PRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Homo sapiens
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Matches 11; Conserv
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Matches 15; Conserv
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US-10-723-361-931
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| Sequence 2291, Application US/10723361
| Publication No. US20040137589A1
| GENERAL INFORMATION:
| APPLICANT: GU, Yizhong
| APPLICANT: HANZEL, David R.
| APPLICANT: HANZEL, David R.
| APPLICANT: HANZEL, David R.
| APPLICANT: SHANNON, Mark
| APPLICANT: SHANNON, Mark
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, Wensheng
| APPLICANT: CHEN, Wark
| TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
| FILE REFERENCE: P80105
| CURRENT APPLICATION NUMBER: US/10/723,361
| CURRENT FILING DATE: 2001-10-25
| PRIOR APPLICATION NUMBER: US 60/207,456
                                                             Sequence 2290, Application US/10723361
Publication No. US20040137589A1
Publication No. US20040137589A1
Publication No. US20040137589A1
Publication No. US20040137589A1
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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Best Local Similarity 88.2%; Pred. No. 2.9e+02;
                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-25
PRIOR PLILNG DATE: 2000-05-26
PRIOR PLILNG DATE: 2000-10-04
PRIOR PLILNG DATE: 2000-10-04
PRIOR PLILNG DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR PLILNG DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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SOFTWARE: Aeomica Sequence Listing Engine
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US-10-723-361-2290
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LENGTH: 17
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APPLICANT: GU, YIZHONG
APPLICANT: GU, YONGGANG
APPLICANT: BENN, SHARTON G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: P80.105
CURRENT APPLICATION NUMBER: US/10/723,361
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                        Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 15755 SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 1536 LENGTH: 17
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88.2%; Pred. No. 2.9e+02;
tive 0; Mismatches 2; Indels
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0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 2.9e+02;
Matches 15; Conservative 0; Mismatches 2;
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PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PELING DATE: 2001-05-25
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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NUWBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID 0 1647
LENGTH: 17
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Publication No. US20040137589A1
GENERAL INFORMATION:
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PRIOR FILING DATE: 2001-01-30
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Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-1536
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; ORGANISM: Homo sapiens
US-10-723-361-1647
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APPLICANT: CHEN Wensheng;
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2001-05-25
PRIOR PILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-04
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2295
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Pred. No. 2.9e+02;
0; Mismatches 2;
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Pred. No. 2.9e+02;
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್ರಾಶಕ್ತಿದ್ದೇ
SOFTWARE: Aeomica Sequence Listing Engine
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US-10-723-361-2298/c
; Sequence 2298, Application US/10723361
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Publication No. US20040137589A1
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Best Local Similarity 88.2%;
Matches 15; Conservative (
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                              ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2292
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
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                                                                                                                             FRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PELING DATE: 2001-01-30
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CURRENT PELING DATE: 2003-11-26
PRIOR PEPLICATION NUMBER: US/9666,108
PRIOR PILING DATE: 2003-11-26
PRIOR PILING DATE: 2000-05-25
PRIOR PELING DATE: 2000-05-26
PRIOR PILING DATE: 2000-06-26
PRIOR PILING DATE: 2000-00-4
PRIOR PILING DATE: 2000-00-4
PRIOR PILING DATE: 2000-00-7
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G.
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RANK, David R.
CHEN, Wensheng
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Best Local Similarity 88.2
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-2291
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APPLICANT: GARRALL INFORMATION:
APPLICANT: GIV, Yizhong
APPLICANT: FINOW, Sharron G.
APPLICANT: FINOW, Sharron G.
APPLICANT: APINZEL, David K.
APPLICANT: APINZEL, David K.
APPLICANT: RIANGEL, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANKON, MARK
TITLE OF INVENTION HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2010-01-04
PRIOR PLING DATE: 2010-01-01-07
PRIOR 
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2299
LENGTH: 17
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                                    PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/USO1/00666
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PILING DATE: 2001-01-30
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LENGTH: 17
APPLICATION NUMBER: US 60/236,359
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                                                                    APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BIN, Sharron G
APPLICANT: FRANK, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: GHEW, Wensheng
APPLICANT: GOOD
CURRENT PAPLICATION NUMBER: US/10/723,361
CURRENT PILING DATE: 2001-01-25
PRIOR APPLICATION NUMBER: US 60/266,108
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-06-26
PRIOR PILING DATE: 2000-06-37
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICANTION NUMBER: PCT/US01/00669
PRIOR PLING PLING POT/US01/00669
PRIOR POT/US01/00669
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PRIOR 
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APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David K.

APPLICANT: RANK, David R.

APPLICANT: CHEN, Wensheng

APPLICANT: CHEN, Wark

APPLICANT: CHEN, Wark

ITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN

FILE REFERENCE: PB0105
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 2298
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: 05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
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Publication No. US20040137589A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                551 CCCTACGCCTGTGGGCC 567
    No. US20040137589A1
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity
Matches 15; Conserv
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US-10-723-361-2299/c
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APPLICANT: CHEN, Water
APPLICANT: STANNON, Mark
FILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PBOID 65
CURRENT APPLICATION NUMBER: US 0/0466,108
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PLING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 00/0505,25
PRIOR PLING DATE: 2000-05-25
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-27
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Mark
TILLO FOR INVENTION: HUMAN MYOSIH-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US/09/866,108
PRIOR APPLICATION NUMBER: US/00/7366
PRIOR FILING DATE: 2000-05-25
PRIOR PELING DATE: 2000-05-26
PRIOR FILING DATE: 2000-00-06-66
PRIOR FILING DATE: 2000-00-06-67
PRIOR PLING DATE: 2000-00-06-67
PRIOR PLING DATE: 2000-00-06-67
PRIOR PLING DATE: 2000-00-06-67
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US/0100-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
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Pred. No. 2.9e+02;
0; Mismatches 2;
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Publication No. US20040137589A1
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                     RANK, David R. CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: DNA; ORGANISM: Homo sapiens
US-10-723-361-9024
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TLE OP INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
LE REFERENCE: PB0105
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CURRENT PELING DATE: 2003-11-26

PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR PELICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR PLING DATE: 2000-00-09

PRIOR PLING DATE: 2000-00-09

PRIOR PLING DATE: 2000-00-07

PRIOR PLING DATE: 2000-00-07

PRIOR PLING DATE: 2000-00-07

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                                                                                                                                                Score 13.8; DB 1; Length 17; Pred. No. 2.9e+02; 0; Mismatches 2; Indels
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Pred. No. 2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6916, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
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                                                                                                                                                                                                                                                                                                    549 GGCCCTACGGCTGTGGG 565
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                                                                                                                                                                                                                                                                                                                                                          17 GGCACTGCGGCTGTGGG 1
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Best Local Similarity 88.2%;
Matches 15; Conservative
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Best Local Similarity 88.2%;
Matches 15; Conservative
; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-2300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-6916
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0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 41.2%; Pred. No. 2.9e+02;
Matches 7; Conservative 8; Mismatches 2; Indels
                         0.9%; Score 13.8; DB 1; Length 17; ilarity 88.2%; Pred. No. 2.9e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                            WENCH 222
US-10-433-542A-95

Sequence 95, Application US/10433542A

Publication No. US20040209263A1

GENERAL INFORMATION:
APPLICANT: Clawson, Gary A.

TITLE OF INVENTION: SELECTION OF CATALYTIC NUCLEIC ACIDS
FILE REPRENCE: 14017-007U31

CURRENT APPLICATION NUMBER: US/10/433,542A

CURRENT PILING DATE: 2003-06-04

PRIOR APPLICATION NUMBER: US 60/251,810

PRIOR FILING DATE: 2001-12-07

PRIOR FILING DATE: 2001-12-07

NUMBER OF SEQ ID NOS: 104

SOFTWARE: FastEEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Scheelder, Michael D.
APPLICANT: Overbeek, Paul
APPLICANT: Overbeek, Paul
APPLICANT: Frenkel, Paul
APPLICANT: Frenkel, Paul
TITLE OF INVENTION: System for Tissue-Restricted Gene
TITLE OF INVENTION: Recombination
NUMBER OF SEQUENCES: 10
CORRESPONDENCE ADDRESS: 10
CORRESPONDENCE ADDRESS: 20
ADDRESSEE: Medlen & Carroll, LLP
STREET: 220 Montgomery Street, Suite 2200
CITY: San Francisco
STATE: California
COUNTRY: United States of America
ZIP: 94104
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: EIM PC Compatible
COMPUTER: SYSTEM: PC-COMPATIBLE OF ALL O
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Patentin Release #1.0, Version #1.30
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APPLICATION NUMBER: US/09/104,654
FILING DATE: 25-UTN-1998
CLASSIFICATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CTHER INFORMATION: target sequence US-10-433-542A-95
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; Sequence 4, Application US/09104654
; Patent No. US20010008026A1
; GENERAL INFORMATION:
                                                                                                                                                                                                 1259 GGGTAGCCATGCTGGGT 1275
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ORGANISM: Artificial Sequence
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                                 Query Match
Best Local Similarity
Matches 15; Conserv
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CLASSIFICATION:
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Sequence 10674, Application US/10723361

PUBLICANTE OF US20040137589A1

SEQUENCE 10674, Application US/10723361

PUBLICANT OF USA0040137589A1

APPLICANT OF USANC, SHARTON

APPLICANT HANZEL, DAVIG R.

APPLICANT CHEN, Wensheng

APPLICANT CHEN, Wensheng

APPLICANT CHEN, Wensheng

APPLICANT CHEN, Wensheng

APPLICANT CHEN, Wark

TILIS REFERENCE: P80105

CURRENT FILING DATE: 2003-11-26

PRIOR FILING DATE: 2001-105-25

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-09-27

PRIOR PLING DATE: 2001-09-27

PRIOR PLING DATE: 2001-01-01

PRIOR PLING DATE: 2001-01-01

PRIOR APPLICATION NUMBER: DET/US01/0066

PRIOR APPLICATION NUMBER: PET/US01/0066

PRIOR APPLICATION NUMBER: PET/US01/0066

PRIOR APPLICATION NUMBER: PET/US01/0066

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                         PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Acomica Sequence Listing Engine

SEQ ID NO 10673

LENGTH: 17
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SOFWARE: Acomica Sequence Listing Engine
SEQ ID NO 10674
LENCTH: 17
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Pred. No. 2.9e+02;
0; Mismatches 2; Indels
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FILING DATE: 2001-01-30
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Best Local Similarity 88.24
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-10673
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CORGANISM: Homo sapiens
US-10-723-361-10674
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Ouery Match
Best Local Similarity 88.21
Matches 15, Conservative
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US-10-005-956-1236
                                                                                                                                                                                                                                                                                                          Best Local Similarity
Matches 15; Conserv
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APPLICANT: CHOUDARY, PRABHAKARA V.
APPLICANT: CHOUDARY, PRABHAKARA V.
APPLICANT: CHOUDARY, PRABHAKARA V.
APPLICANT: CHANDLER, JOHN M.
TITLE OF INVENTION: FUNCTIONALLY ASSEMBLED ANTIGEN-SPECIFIC INTACT
TITLE OF INVENTION: RECOMBINANT ANTIBODY AND A METHOD FOR PRODUCTION
TITLE OF INVENTION: THEREOF
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 480.97-1 (HV)
CURRENT APPLICATION NUMBER: US/09/425,075
CURRENT FILING DATE: 1999-10-21
EARLIER FILING DATE: 1999-10-22
NUMBER OF SEQ ID NOS: 6
SOFTWARE: PATECTION VOICE: 2.0
SEQ ID NO 3
LENGTH: 18
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Sequence 1236, Application US/10005956

Publication No. US-20030113726A1

GENERAL INFORMATION:

TITLE OF INVENTION: HUMAN SINGLE NUCLEOTIDE POLYMORPHISMS

FILE REFERENCE: D0053NP

CURRENT APPLICATION NUMBER: US/10/005,956

CURRENT PILING DATE: 2001-12-03

PRIOR FILING DATE: 2000-12-03

PRIOR FILING DATE: 2000-12-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
FRATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Oligonuclectide primer
US-09-425-075-3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 3.2e+02;
Matches 15; Conservative 0; Mismatches 2;
NAME: MacKnight, Kamrin T.
REGISTRATION NUMBER: 38,230
REFERENCE/DOCKET NUMBER: BCM-02973
TELECOMUNICATION INFORMATION:
TELEPHONE: (415) 397-838
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                      MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "DNA"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1139 ACTGGTGGAACTCAACG 1155
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US-09-425-075-3/c
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US-10-204-431-6
; Sequence 6, Application US/10204431
; Publication Wo. US20030153012A1
; Publication Wo. US20030153012A1
; GENERAL INFORMATION:
; APPLICANT: RELKADI, Laurent
; APPLICANT: BELKADI, Laurent
; APPLICANT: BIOSENSORS, METHOD FOR OBTAINING THE SAME AND USES THEREOF
; FILE REFERENCE: 227391USOXPCT;
; CURRENT APPLICATION NUMBER: US/10/204,431
; PRIOR PAILICATION NUMBER: PCT/FR01/00603
; PRIOR PLILNG DATE: 2001-03-01
; PRIOR PLILNG DATE: 2000-03-01
; PRIOR FILING DATE: 2000-03-01
; NUMBER OF SEQ ID NOS: 25
; SOFTWARE: Patentin version 3.1
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Publication No. US20030203380A1
GENERAL INFORMATION:
APPLICANT: Stefanson, Stefan E.
TITLE OF INVENTION: GENE LINKED TO OSTEOARTHRITIS
FILE REFERENCE: 2345.2043-004
CURRENT APPLICATION NUMBER: US/10/351,951
CURRENT APPLICATION NUMBER: 10/057,312
PRIOR APPLICATION NUMBER: 00/3-01-24
PRIOR PILING DATE: 2002-01-25
PRIOR PILING DATE: 2002-12-05
                                                                                                                                                                                                                                                                                                                                            0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 3.2e+02;
tive 0; Mismatches 2;
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88.2%; Pred. No. 3.2e+02;
tive 0; Mismatches 2;
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SOFTWARE: FastSEQ for Windows Version 4.0
PRIOR. APPLICATION NUMBER: 60/263,678
PRIOR FILING DATE: 2001-01-23
PRIOR APPLICATION NUMBER: 60/273,037
PRIOR FILING DATE: 2001-03-02
NUMBER OF SEQ ID NOS: 1579
SOFTWARE: Patentin version 3.0
SEQ ID NO 1236
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              OTHER INFORMATION: SYNTHETIC DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                509 GGGTGCCCATGTTTCTG 525
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                76 GGAGATGGAAACACTGA 92
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; OTHER INFORMATION: downstream amplification primer 99-6564 for SEQ 3580, in complemer
US-10-349-143-11445
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APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, 11ya
APPLICANT: Chumakov, 11ya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
PRIOR PILING DATE: 2003-01-21
PRIOR PLING DATE: BARLIER APPLICATION NUMBER: US 09/298,850
PRIOR PLING DATE: EARLIER PLING DATE: 1999-04-21
PRIOR PLING DATE: EARLIER PLING DATE: 1999-04-21
PRIOR PLING DATE: EARLIER FILING DATE: 1998-04-21
PRIOR PLING DATE: EARLIER PLING DATE: 1998-04-21
PRIOR PLING DATE: EARLIER PLING DATE: 1998-04-21
PRIOR PLING DATE: EARLIER PLING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEG ID NO 11445
LENGTH: 18
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; LOCATION: 1..18
; OTHER INFORMATION: upstream amplification primer 99-4157 for SEQ 3873,
US-10-349-143-7807
                                                                                                                                                             Gaps
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GENERAL INPORMATION:
APPLICANT: Linnen, Jeffery M.
APPLICANT: Kolk, Daniel P.
APPLICANT: Genan, Damon K.
APPLICANT: Genan, Damon K.
APPLICANT: Genan, Damon K.
APPLICANT: Genan, Damon K.
APPLICANT: Ho-Sing-Loy, Marcy
APPLICANT: Ho-Sing-Loy, Marcy
APPLICANT: Hepatisis B Virus
TITLE OF INVENTION: Compositions and Methods for Detecting
TITLE OF INVENTION: Compositions and Methods
TITLE OF INVENTION: Legatisis B Virus
FILE REFERENCE: GP134-02.UT
CURRENT APPLICATION NUMBER: US/10/461,790
CURRENT FILING DATE: 2003-06-13
PRIOR APPLICATION NUMBER: 60/389,393
PRIOR APPLICATION NUMBER: 60/389,393
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                                                                                                0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 3.2e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 11445, Application US/10349143
Publication No. US20040005584A1
                                                                                                                                                                                                                 961 CCTGTCTTTGCCAACAT 977
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Best Local Similarity 88.2<sup>†</sup>
Matches 15; Conservative
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ORGANISM: Homo Sapiens
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Publication No. US20040005584A1

GENERAL INFORMATION:

APPLICANT: Cohen, Daniel

APPLICANT: Chumacheld, Marta

APPLICANT: Chumacheld, Marta

APPLICANT: Chumachev, Ilya

TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
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CURRENT FILING DATE: 2003-01-21

PRIOR APPLICATION NUMBER: US/09/422,978

PRIOR APPLICATION NUMBER: US/09/422,978

PRIOR APPLICATION NUMBER: BARLIER APPLICATION NUMBER: US 09/298,850

PRIOR FILING DATE: BARLIER FILING DATE: 1999-04-21

PRIOR FILING DATE: EARLIER PILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-11-23

PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-21

NUMBER OF SEQ ID NOS: 11796

LENGTH: 18
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                                                                                                                 ; OTHER INFORMATION: primer that hybridizes to the human MATN3 gene US-10-351-951-123
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Publication No. US20040005560A1
GENERAL INFORMATION:
APPLICANT: HELIX RESEARCH INSTITUTE
TITLE OF INVENTION: No. US20040005560A1e1 full length cDNA
FILE REFERENCE: H1-A0106
CURRENT APPLICATION NUMBER: US/10/108, 260A
CURRENT FILING DATE: 2002-03-27
NUMBER OF SEQ ID NOS: 5458
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 5348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
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                                                                                                                                                                                                               0.9%; Score 13.8; DB 1; Length 88.2%; Pred. No. 3.2e+02; Live 0; Mismatches 2; Indels
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Local Similarity 88.2%; Pred. No. 3.2e+02;
Nes 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                             1186 GTGGTGGTCCATGACTG 1202
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    767 GTGCCAGACGAGGTGAG 783
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ORGANISM: Artificial Sequence
                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                             Best Local Similarity 88.2
Matches 15, Conservative
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        SEQ ID NO 123
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Matches
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Length 15;

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Sequence 477, Application US/10300683
Publication No. US20030235834A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Uniop, Charles L.M.
APPLICANT: Weisel, James M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS
FILE REFERENCE: CHARDUM.010A
CURRENT APPLICATION NUMBER: US/10/300,683
CURRENT FILING DATE: 2002-11-19
PRIOR PPLICATION NUMBER: 60/333,531
PRIOR PLING DATE: 2001-11-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dunlop, Charles L.M.
APPLICANT: Weisel, James M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS
FILE REFERENCE: CHARDUN 010A
CURRENT APPLICANTON NUMBER: US/10/300,683
CURRENT FILING DATE: 2002-11-19
                                                                                                                    Query Match 0.9%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 2.6e+02; Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 1;
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Ouer Januarity 93.3%; Pred. No. 2.6e+02;
Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Diagnostic Oligonucleotide US-10-300-683-291
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CTHER INFORMATION: Diagnostic Oligonucleotide US-10-300-683-477
                           ; FEATURE:
;, OTHER INFORMATION: Diagnostic Oligonucleotide
US-10-300-683-118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR APPLICATION NUMBER: 60/33,531
PRIOR APPLICATION NUMBER: 60/333,531
NUMBER OF SEQ ID NOS: 554
SCOTWARE: FaetSEQ for Windows Version 4.0
SEQ ID NO 291
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         NUMBER OF SEQ ID NOS: 554
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 477
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                   Sequence 291, Application US/10300683 Publication No. US20030235834A1 GENERAL INFORMATION:
                                                                                                                                                                                                                     1230 GCTGCGGCTCCTTGG 1244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1230 GCTGCGGCTCCTTGG 1244
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ORGANISM: Artificial Sequence
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    ORGANISM: Artificial Sequence
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                                                                                                                                                                     14; Conservative
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US-10-300-683-291
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US-10-300-683-477
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| Publication No. US20030235834A1
| GENERAL INFORMATION:
| APPLICANT: Dunlop, Charles L.M.
| APPLICANT: Weisel, James M.
| TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS
| FILE REFERENCE: CHARDUN.010A
| CURRENT APPLICATION NUMBER: US/10/300,683
| CURRENT FILING DATE: 2002-11-19
| PRIOR APPLICATION NUMBER: 60/333,531
| PRIOR APPLICATION NUMBER: 60/333,531
| PRIOR APPLICATION NUMBER: 5001-11-19
| NUMBER OF SEQ ID NOS: 554
| SOFTWARE: FREUSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                 Length 18;
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Publication No. US20040180825A1

GENERAL INFORMATION:
APPLICANT: Spriggs, Melanie K.
TILE OF INVENTION: NOVEL SEMAPHORIN POLYPEPTIDES
FILE REFERENCE: 2634-US
CURRENT APPLICATION NUMBER: US/10/740,773

CURRENT FILING DATE: 2003-12-19
PRIOR APPLICATION NUMBER: US/09/689,012
PRIOR APPLICATION NUMBER: ET/US99/0931

PRIOR FILING DATE: 1999-05-05

PRIOR FILING DATE: 1999-05-14

PRIOR FILING DATE: 1999-05-14

NUMBER OF SEQ ID NOS: 10

SOFTWARE: PRICHING DATE: 1998-05-14
                                                                                                                                                                                                                                                                 0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 3.2e+02;
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Pred. No. 3.8e+02;
0; Mismatches 2;
                                                                     TYPE: RNA
ORGANISM: Hepatitis B Virus
PEATURE:
NAME/KEY: misc_feature
LOCATION: (1)...(17)
OTHER INFORMATION: 2'-OMe nucleotide analogs
US-10-461-790-51
                                                                                                                                                                                                                                                                                                                0; Mismatches
SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 51 LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                           17 CCTCTTCATCCTGCTGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                               Query Match 0.9%
Best Local Similarity 88.2%
Matches 15; Conservative
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; OTHER INFORMATION: PRIMER
US-10-740-773-9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-300-683-118
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LENGTH: 15
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Gaps

Length 15;

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Indels

Length 15;

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INVENTION: THERAPEUTIC POLYPEPTIDES, NUCLEIC ACIDS ENCODING SAME, AND METHODE
                                          | CURRENT APPLICATION NUMBER: 60/309, 501
| PRIOR APPLICATION NUMBER: 60/309, 501
| PRIOR PELING DATE: 2001-08-01
| PRIOR PELING DATE: 2001-08-02
| PRIOR PELING DATE: 2001-09-01
| PRIOR PELING DATE: 2001-09-21
| PRIOR APPLICATION NUMBER: 60/313, 94
| PRIOR APPLICATION NUMBER: 60/313, 814
| PRIOR APPLICATION NUMBER: 60/310, 291
| PRIOR APPLICATION NUMBER: 60/310, 291
| PRIOR PILING DATE: 2001-08-03
| PRIOR PILING DATE: 2001-08-03
| PRIOR PELICATION NUMBER: 60/310, 951
| PRIOR PELICATION NUMBER: 60/311, 292
| PRIOR APPLICATION NUMBER: 60/311, 292
| PRIOR PILING DATE: 2001-08-03
| PRIOR PILING DATE: 2001-08-13
| PRIOR PILING DATE: 2001-08-13
| PRIOR PILING DATE: 2001-08-14
| PRIOR APPLICATION NUMBER: 60/312, 892
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0.9%; Score 13.4; DB 1; Length 16;
Best Local Similarity 66.7%; Pred. No. 3e+02;
Matches 10; Conservative 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 3e+02; ative 0; Mismatches 1; Indels
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ORGANISM: Artificial Sequence
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Best Local Similarity 93.39
Matches 14; Conservative
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US-10-138-674-5661
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LENGTH: 16
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APPLICANT: van Ommen, Garrit-Jan Boudewijn
APPLICANT: van Deutekom, Judith Christina Theodora
APPLICANT: van Deutekom, Judith Christina Theodorus
ITILE OF INVENTION: Obhannes Theodorus
ITILE OF INVENTION: INDUCTION OF SEXON SKIPPING IN EUKARYOTIC CELLS
ICURRENT APPLICATION NUMBER: US/10/395,031
CURRENT FILING DATE: 2003-03-21
PRIOR APPLICATION NUMBER: PCT/NL01/00697
PRIOR APPLICATION NUMBER: PCT/NL01/00697
PRIOR APPLICATION NUMBER: PCT/NL01/00697
PRIOR PILING DATE: 2000-09-21
NUMBER: PS 2010-09-21
SEQ ID NO: 10
LEWATH: 15
ILEWATH: 15
ITYPE: DNA
COGANISM: Mousee
US-10-395-031-10
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Publication No. US20040043928Al
GENERAL INFORMATION:
APPLICANT: Kekuda, Ramesh
APPLICANT: Miller, Charles
APPLICANT: Patturajan, Meera
APPLICANT: Peturajan, Meera
                                                                                                                                                             US-10-395-031-10

Sequence 10, Application US/10395031

Publication No. US20030235845A1

GENERAL INFORMATION:
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Ji, Weizhen
Padigaru, Muralidhara
Casman, Stecie
Voss, Edward
1230 GCTGCGCTCCTTGG 1244
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MacDougall, John
Stone, David
Alsobrook II, John
                                  GCTGTGGCTCCTTGG 15
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Shimkets, Richard
Zerhusen, Bryan
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Gerlach, Valerie
Halt, Tord
Ratelli, Luca
Spytek, Kimberly
Edinger, Shlomit
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Gorman, Linda
Leite, Mario
Vernet, Corine
Anderson, David
Guo, Xiaojia
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APPLICANT:
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APPLICANT:
APPLICANT:
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APPLICANT:
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RESULT 268
US-10-138-674-5661
; Sequence 5561, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
 APPLICANT: Ribozyme Pharmaceuticals, Inc.
 APPLICANT: Bacoo, Pam
; APPLICANT: Bacobedo, Jaime
; APPLICANT: Stinchcomb, Dan
; APPLICANT: Bacobedo, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
; CURRENT PAPLICATION NUMBER: US/10/138,674
; CURRENT PILING DATE: 2002-05-03
; NUMBER OF SEQ ID NOS: 20822
; SOFTWARE: PatentIn version 3.0 ö Gaps 

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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ouery Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1;
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2001-02-05
PRIOR FILING DATE: 2001-02-05
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NOS: 15752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PRIOR FILLING DATE: 2001-05-26
PRIOR FILLING DATE: 2000-05-26
PRIOR FILLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-36
PRIOR PLING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2000-09-21
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CURRENT FILING DATE: 2001-05-25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 6630, Application US/09866108 Patent No. US20020048800A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
GOGANISM: Homo sapiens
US-09-866-108-6623
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APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT PAPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5661
LENGTH: 16
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APPLICANT: PENN, SHEYON G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-05-25
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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Pred. No. 3e+02;
4; Mismatches 1; Indels
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FILING DATE: 2001-01-30
                                                                                                                                                                                                                                     Sequence 5661, Application US/10287949A
Publication No. US20040102389A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6623, Application US/09866108
Patent No. US20020048800A1
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Best Local Similarity 66.7%;
Matches 10; Conservative 4
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ORGANISM: Homo sapiens
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APPLICANT: CHEN, DAYAG K.

APPLICANT: CHEN, Mensheng
APPLICANT: CHEN, Mensheng
FILE REPERENCE: SCHANON, MATK
TITLE OF INVENTION: WYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEONICA-7
CURRENT APELICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,666
PRIOR APPLICATION NUMBER: US 60/2036,359
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 200
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0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1;
                                                                                                                     RESULT 4.3
US-09-866-108-10676/c
US-09-866-108-10676, Application US/09866108
FRACE NO. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, WENSHENG
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      1259 GGGTAGCCATGCTGG 1273
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ORGANISM: Homo sapiens
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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2.09-866-108-10675/c
; Sequence 10675, Application US/09866108
; Patent No. US20020048800A1
                                                                                                                                                                                                                      26 GTCTGCAGAGGACAG 40
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                                         TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-6630
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US-09-866-108-10675
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Best Local Similarity
Matches 14; Conserva
SEQ ID NO 6630
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Sequence 1551, Application US/09848754A
Publication No. US20030073207A1
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MEHBOG-958-I (400/018)
CURRENT PILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
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Publication No. US20030073207A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-1 (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A

CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: PatentIn version 3.0
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                                                                                    Query Match 0.9%; Score 13.4; DB 1; Best Local Similarity 80.0%; Pred. No. 3.3e+02; Matches 12; Conservative 2; Mismatches 1;
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Best Local Similarity 73.3%; Pred. No. 3.38+02;
Matches 11; Conservative 3; Mismatches 1;
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Sequence 5, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
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US-09-848-754A-1340
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US-09-848-754A-2408
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Sequence 370, Application US/09848754A

Sequence 370, US20030073207A1

PUBLication No. US20030073207A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors

FILE REFERENCE: MBH800-958-I (400/018)

CURRENT APPLICATION NUMBER: US/09/848,754A

CURRENT APPLICATION NUMBER: US/09/848,754A

SOFTWARE: Patentin version 3.0

SOFTWARE: Patentin version 3.0

FEMALE: ADD 370

FEMALE: ADD 370
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Publication No. US20030073207A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TILLS OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBH800-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
LENGTH: 17
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                                                             APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Control Bharat
APPLICANT: Haeberlia, Bharat
APPLICANT: Haeberlia, Pere
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00, 878-A (400/011).
CURRENT APPLICATION NUMBER: US 60/011.
PRIOR APPLICATION NUMBER: US 60/181,797
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 3.3e+02;
Matches 10; Conservative 4; Mismatches 1; Indels
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 73.3%; Pred. No. 3.3e+02;
Matches 11; Conservative 3; Mismatches 1; Indels
                                          Ribozyme Pharmaceuticals, Inc.
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; ORGANISM: Homo sapiens
.US-09-848-754A-370
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Sequence 334, Application US/09930423
Publication No. US20030092003A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Mathod and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MEHBOD, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
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US-09-780-164-137
i Sequence 137, Application US/09780164
j Publication No. US20030092646A1
j GENERAL INFORMATION:
j APPLICANT: Blatt, Larry
j APPLICANT: Blatt, Larry
j APPLICANT: Blatt, Larry
j APPLICANT: McSaiggen, Jim
j TILLE OF INVENTION: Method and Reagent for the Inhibition of CD20
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT FILING DATE: 2001-02-09
pRIOR FILING DATE: 2000-02-28
j NUMBER OF SEQ ID NOS: 2603
j SOFTWARE: Patentin version 3.0
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Pred. No. 3.3e+02;
0; Mismatches 1; Indels
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                                           Indels
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Best Local Similarity 86.7%; Pred. No. 3.3e+02;
Matches 13; Conservative 1; Mismatches 1;
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53.3%; Pred. No. 3.3e+02;
tive 6; Mismatches 1;
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                                                                                                                1404 CACCGGCCCGGCATG 1418
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Best Local Similarity 93.3
Matches 14; Conservative
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US-09-930-423-334
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ORGANISM: Homo sapiens
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Best Local Similarity
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US-09-780-164-1043/c
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                     APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REPERENCE: MBH800, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930, 423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
LENGTH: 17
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MRHB00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930, 423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 324
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Sequence 325, Application US/09930423

Sequence 325, Application US/09930423

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Best Local Similarity 93.3
Matches 14; Conservative
APPLICANT: Blatt, Larry
                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-324
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ORGANISM: Homo Sapiens
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Query Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 3.38+02;
Matches 14; Conservative 0; Mismatches 1;
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Pred. No. 3.3e+02;
0; Mismatches 1;
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i LOCATION:
i COCATION:
US-09-740-332-1412
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93.3%; Pred
'LENGTH: 17
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 93.3%;
Matches 14; Conservative
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                                                                                              ; OTHER INFORMATION: Synthetic US-09-864-636A-2493
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Best Local Similarity 93.3%
Matches 14; Conservative
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; Sequence 1044, Application US/09780164
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Blatt, Larry
; APPLICANT: Blatt, Larry
; TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
; FILE REFERENCE: 400/010
; CURRENT APPLICATION NUMBER: US/09/780,164
; CURRENT APPLICATION NUMBER: 60/185,516
; PRIOR FILING DATE: 2001-02-09
; RIOR FILING DATE: 2000-02-28
; NUMBER OF SEQ ID NOS: 2603
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1044
: LENGTH: 17
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                          APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
FILE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE RPERENCE: 400/00.
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT APPLICATION NUMBER: 60/185,516
PRIOR APPLICANON NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: Patentin version 3.0
SEQ ID NO 1043
LENGTH: 17
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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Fublication No. US20030104378A1
GENERAL INFORMATION:
APPLICANT: Third Wave Technologies
APPLICANT: Allwai, Hatim
APPLICANT: Allwai, Hatim
APPLICANT: Chenk, LuAnne
TITLE OF INVENTION: Detection of RNA Sequences
FILE REFERENCE: FORS-04944
CURRENT APPLICATION NUMBER: US/09/864,636A
CURRENT FILING DATE: 2002-10-15
NUMBER OF SEQ ID NOS: 2640
SOFTWARE: Patentin version 3.0
           APPLICANT: Ribozyme Pharmaceuticals, Inc.
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                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Homo sapiens
US-09-780-164-1043
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ORGANISM: Homo sapiens
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Sequence 1412, Application US/09740332

Publication No. US20030125270A1
GENERAL INFORMATION:
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GENERAL INFORMATION:
TITLE OF INVENTION:
FILE REFERENCE: RP1 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PacentIn version 3.0
SEQ ID NO 1412
LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REPERENCE: 400/007 (MBHS00-918-A)
CURRENT APPLICATION NUMBER: 12002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: Patentin version 3.0
SEQ ID NO 5.
LENGTH: 17
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Length 17;
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US-09-817-879-1412/c
                                                                                                                           TYPE: RNA
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                                                                                                                        Sequence 3.34, Application US/09745237A

Sequence 3.44, Application US20030143708A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease FILE REFERENCE: 400/007 (MRHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 324
LENGTH: 17
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US-09-745-237A-325
US-09-745-237A-325
Sequence 325, Application US/09745237A
Sequence 325, Application US/09745237A
Sequence 326, Application Vo. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribacyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: McHabod and Reagent for the Treatment of Alzheimer's Disease
FILE REPERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT APPLICATION NUMBER: US/09/745,237A
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
SOFTWARE: PatentIn version 3.0
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Mexagen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
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16 GGCTGGGAGGGCG 2
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Best Local Similarity 86.7x
Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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Sequence 1412, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Brzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1412
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US-09-864-426A-2493/C

Sequence 2493, Application US/09864426A

PUBLICATION NO. US20040018489A1

GENERAL INPORMATION:

APPLICANT: Third Wave Technologies

APPLICANT: Lyamichev, Victor

APPLICANT: Lyamichev, Victor

APPLICANT: Baiser, Wichchel

TITLE OF INVENTION: Enzymes for the Detection of RNA Sequences

FILE REFERENCE: FORS-04946

CURRENT APPLICATION NUMBER: US/09/864,426A

CURRENT FILING DATE: 2001-05-24

NUMBER OF SEQ ID NOS: 2640

SOFTWARE: PatentIn version 3.0

SEQ ID NO 2493
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Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1;
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CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SCOFTWARE: PatentIn version 3.0 .
SEQ ID NO 334
LENGTH: 17
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US-09-745-237A-334
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gibbs026-3.rnpb

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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PILING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/325,062
PRIOR FILING DATE: 2001-09-25
PRIOR FILING DATE: 201-09-25
NUMBER OF SEQ ID NOS: 1123
SOFTWARE: Acomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1291 GCAGTGGCCCATGAG 1305
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                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-060-830-136
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Matches 14; Conserv
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US-10-060-998-120/c
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        Length 17;
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US-10-060-830-135
Sequence 135, Application US/10060830
Publication No. US2030032154A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
FILE REFERENCE: P80169
CURRENT APPLICATION NUMBER: US/10/0667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-05-23
PRIOR APPLICATION NUMBER: US 60/325,062
PRIOR PRIOR SEQUENCE LIBRING BABINE
SEOFIN NUMBER OF SEQUENCE LIBRING ENGINE
SEOFIN NO 135
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Sequence 136, Application US/10060830

Publication No. US20030032154A1

GENERAL INFORMATION:
APPLICANT: Gu, Yizhong

APPLICANT: Gu, Yizhong

TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN

FILE REFERENCE: P80169

CURRENT APPLICATION NUMBER: US/10/060,830

CURRENT FILING DATE: 2002-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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  Query Match 0.9%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 3.38+02; Matches 14; Conservative 0; Mismatches 1;
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                                                                                                         278 CCCAGGAGCCATCCC 292
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Sequence 119, Application US/10060998

Publication No. US20030104530A1

SERNERAL INFORMATION: US20030104530A1

APPLICANT: Gu. Yizhong

TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1

FILER REFERENCE: PB01108

CURRENT APPLICATION NUMBER: US/10/060, 998

CURRENT PILING DATE: 2002-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-05-23

NUMBER OF SEQ ID NOS: 3056

SOFTWARE: Aeomica Sequence Listing Engine

SEQ ID NOS: 3056
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Fublication No. US20030104530A1
GENERAL INFORMATION:
TITLE OF INVENTION: HUMAN SODIUM-HYDROGEN EXCHANGER LIKE PROTEIN 1
FILE REPERENCE: P80.109
CURRENT APPLICATION NUMBER: US/10/060,998
CURRENT APPLICATION NUMBER: PCT/US01/00666
FRIOR FILING DATE: 2001-01-30
FRIOR PFLING DATE: 2001-03-30
FRIOR APPLICATION NUMBER: US 09/864,761
FRIOR PILING DATE: 2001-05-23
FRIOR APPLICATION NUMBER: US 60/343,331
FRIOR PILING DATE: 2001-05-23
FRIOR PILING DATE: 2001-05-23
FRIOR FILING DATE: 2001-05-23
FRIOR FILING DATE: 2001-12-21
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   Length 17;
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                                                                    1; Indels
Query Match 0.9%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 3.38+02; Matches 14; Conservative 0; Mismatches 1;
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GENERAL INFORMATION:
APPLICANT: Lynx Therapeutics, Inc.
APPLICANT: Goodman, Laurie J
APPLICANT: Goodman, Laurie J
APPLICANT: Bowen, Benjamin A
TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
FILE REFERENCE: 37-000110US
CURRENT FILING DATE: 2003-01-08
NUMBER OF SEQ ID NOS: 495
SOFTWARE: Patentin version 3.1
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CURRENT FILING DATE: 2002-02-26
NUMBER OF SEQ ID NOS: 4004
SEQ ID NO 2493
LENGTH: 17
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APPLICANT: Vedvik, Kevin L.
TITLE OF INVENTION: RNA Detection Assays
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Argue, Brad T.
Bartholomay, Christian T.
Chehak, LuAnne
Curtis, Michelle L.
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Lukowiak, Andrew A.
Lyamichev, Victor
Lymaicheva, Natalie E.
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                                                                                          ; Sequence 45, Application US/10339782; Publication No. US20030166026A1
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Skrzypczynski, Zbigniew
Takova, Tsetska Y.
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Olson, Sarah M.
Olson-Munoz, Marilyn C.
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Ji, Lin
Kaiser, Michael
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 93.33
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Eis, Peggy S.
Hall, Jeff G.
                                                                                                                                                                                                                                                                                                                                                                                                                                       , ORGANISM: Homo sapiens
US-10-339-782-45
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                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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APPLICANT:
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APPLICANT:
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APPLICANT:
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Publication No. US20030105051A1
GENERAL INFORMATION:
APPLICANT: Nibozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
APPLICANTON: UMCleic acid treatment of diseases or conditions related to level
TITLE OF INVENTION: UMCLEic acid treatment of diseases or conditions related to level
TITLE REPERENCE: MBHB01-1653-A (400/014)
CURRENT APPLICATION UWBER: US/10/163,552
CURRENT PLING DATE: 2002-06-06
NUMBER OF SEQ ID NOS: 1997
SEQ ID NO 3: 1997
SEQ ID NO 729
LENGTH: 17
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Publication No. US20030119017A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Roswiggen, James
TITLE OF INVENTION: Brzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK.Gamma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
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93.3%; Pred. No. 3.3e+02;
tive 0; Mismatches 1; Indels
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                     SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 120
LENGTH: 17
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CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3771
                                                                                                                                                                                                                                                                            1348 CTGATACTCTTCCTT 1362
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                                                                                                                                                                                                       Best Local Similarity 93.39
Matches 14; Conservative
NUMBER OF SEQ ID NOS: 3056
                                                                                        TYPE: DNA; ORGANISM: Homo sapiens
US-10-060-998-120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Homo sapiens
US-10-163-552-729
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CORGANISM: Homo sapiens
US-10-156-306-3771
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Best Local S:
Matches 14
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NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
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US-10-307-005-2383/c
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Sequence 315, Application US/10307005

Fublication No. US20030236208A1

GENERAL IMPORMATION:

APPLICANT: Exic B. Kaniec

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Michael C. Rice

APPLICANT: Michael C. Rice

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

TITLE OF INVENTION: Using Wodified Single Stranded Oligonucleotides

TITLE OF INVENTION: Using Wodified Single Stranded Oligonucleotides

TITLE OF INVENTION UNMBER: US/10/307,005

CURRENT FILING DATE: 2002-11-26

PRIOR FILING DATE: 2000-06-01

PRIOR FILING DATE: 2001-03-0

PRIOR FILING DATE: 2001-03-0

PRIOR FILING DATE: 2001-03-0

PRIOR FILING DATE: 2001-03-27

NUMBER OF SEQ ID NOS: 2777

SOFTWARE: Friedman macro Napro4

LEMCTH: 17
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APPLICANT: Eric B. Kmiec
APPLICANT: Eric B. Kmiec
APPLICANT: Eric B. Gamper
APPLICANT: Howard B. Gamper
APPLICANT: Michael C. Rice
APPLICANT: Jungsup Kim
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants
TITLE OF INVENTION: Wight Wolfied Single Stranded Oligonucleotides
FILE REFERENCE: Napro/009 PCT
TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides
FILE REFERENCE: Napro/009 PCT
TITLE OF INVENTION WUMBER: US/10/307,005
CURRENT FILING DATE: 2002-10-26
PRIOR FILING DATE: 2000-6-01
PRIOR PLICATION WUMBER: US 60/208,538
PRIOR PRILING DATE: 2000-60-01
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2001-03-27
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0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1;
                                              Score 13.4; DB 1;
Pred. No. 3.3e+02;
                                           Query Match 0.9%; Score 13.4; E
Best Local Similarity 93.3%; Pred. No. 3.3e
Matches 14; Conservative 0; Mismatches
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                                                                                                                                                          278 CCCAGGAGCCATCCC 292
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; ORGANISM: Spinacia oleracea
US-10-307-005-315
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US-10-307-005-315/c
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APPLICANT: Universuit.or

APPLICANT: Exic B. Kmiec

APPLICANT: Exic B. Kmiec

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Jungaup Kim

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

FILE REFERENCE: Napro/009 PCT

CURRENT APPLICATION NUMBER: US/10/307,005

CURRENT APPLICATION NUMBER: US 60/208,538

PRIOR FILING DATE: 2000-66-01

PRIOR FILING DATE: 2000-66-01

PRIOR FILING DATE: 2000-10-30

PRIOR APPLICATION NUMBER: US 69/244,989

PRIOR FILING DATE: 2000-10-30

PRIOR FILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 2717

SOUTHARD: Priedman macro Napro4
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Sequence 2384, Application US/10307005

Publication No. US2003023620841

GENERAL INFORMATION.

APPLICANT: University of Delaware

APPLICANT: Howard B. Gamper

APPLICANT: Howard B. Gamper

APPLICANT: Michael C. Rice

APPLICANT: Michael C. Rice

APPLICANT: Jungsup Kim

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations in Plants

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

TITLE OF INVENTION: Using Modified Single Stranded Oligonucleotides

CURRENT APPLICATION NUMBER: US/10/307,005

CURRENT PILING DATE: 2002-11-26

PRIOR APPLICATION NUMBER: PCT/US01/17672
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93.3%; Pred. No. 3.3e+02;
tive 0; Mismatches 1;
                                                                                                                            Ouery Match 0.9%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 3.3e+02; Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 2383, Application US/10307005; Publication No. US20030236208A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                             484 CAGCTGCCATTGGCG 498
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; TYPE: DNA; ORGANISM: Spinacia oleracea
US-10-307-005-316
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Best Local Similarity 93.33
Matches 14; Conservative
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ORGANISM: Oryza sativa
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APPLICANT: Rabozyme Pharmaceuticals, Inc.
APPLICANT: Rabozyme Paramaceuticals, Inc.
APPLICANT: Rabozyme Paveo, Pam
APPLICANT: Mayoryme Mayoryme, Jim
APPLICANT: StinchComb, Jan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Method and Reagent Endothelial Growth Factor Receptor
FILE REFERENCE: MBH800-876-N (400/049)
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4663
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US-10-138-674-2129

Sequence 2129, Application US/10138674

Sequence 2129, Application Wo. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Bacco, Pam

APPLICANT: Stinchcomb, Dan

APPLICANT: Bacobedo, Dan

APPLICANT: Bacob
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                                                                                                                                                                                                                                                               0.9%; Score 13.4; DB 1; Length 17; 73.3%; Pred. No. 3.3e+02; tive 3; Mismatches 1; Indels
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CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 2129
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            796 CCCAGTTTCTCCAGC 810
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                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 73.34
Matches 11; Conservative
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CORGANISM: Homo sapiens
US-10-138-674-2129
                                                                                          TYPE: RNA
ORGANISM: Homo sapiens
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Matches 14; Conserv
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US-10-138-674-4663/c
                                                                                                                                              ; ORGANISM: Homo
US-10-138-674-2128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-138-674-4663
; SEQ ID NO 2128
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
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| Sequence 949, Application US/1013674
| Publication No. US20040077565A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Richcomb, Dan
| APPLICANT: Stinchcomb, Dan
| APPLICANT: Stinchcomb, Dan
| APPLICANT: Stinchcomb, Dan
| APPLICANT: Bacobado, Jaime
| TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
| TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
| TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
| TITLE OF INVENTION: WHIBOO-876-N (400/049)
| CURRENT APPLICATION NUMBER: US/10/138,674
| CURRENT FILING DATE: 2002-05-03
| SEQ ID NOS: 20822
| SEQ ID NOS: 20822
| SEQ ID NO 949
| TENGRAL IN PROPERTY OF THE PROPE
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APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jame
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERENCE: WHHBO-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
NUMBER OF SEQ ID NOS: 2082-2
SOFTWARE: PatentIn version 3.0
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                                     PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-10-30
PRIOR FILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-0-30
PRIOR PILING DATE: 2001-03-7
NUMBER OF SEQ ID NOS: 2717
SOFTWARE: Friedman macro Napro4
SEQ ID NO 2384
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1513 CCCCAGGCAACTTTC 1527
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         FILING DATE: 2001-06-01
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Matches 14; Conservative
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CORGANISM: Homo sapiens
US-10-138-674-949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Oryza sativa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 306
US-10-138-674-949/c
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US-10-138-674-2128
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Sequence 8515, Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwigen, Jim
APPLICANT: McSwigen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwigen, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)
TITLE OF INVENTION: Method and Reagent for the Treatment of Conditions Re)
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
FENCENTIAL OF SEQ ID NOS: 20822
                                                                       APPLICANT: RADOZYME Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escopedo, Jaime
APPLICANT: Escopedo, Jaime
APPLICANT: Escopedo, Jaime
APPLICANT: Escopedo, Jaime
APPLICANT: Parcial Stinchcomb, Dan
APPLICANT STINCHCOMB
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TITLE OF INVENTION: Genotyping and DNA Analysis
FILE REFERENCE: M0656/7045 (HCL/MAT)
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66.7%; Pred. No. 3.3e+02;
iive 4; Mismatches 1;
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CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 7201
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Publication No. US20040081996A1
GENERAL INFORMATION:
APPLICANT: John Landers
APPLICANT: Bavid Houseman
APPLICANT: Barbara Jordan
APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT
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US20040077565A1
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Best Local Similarity 66.7
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens US-10-138-674-7201
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US-10-138-674-8515
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US-10-138-674-8515/c
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US-10-676-154-100/c
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| Forbitcation No. US20040077565A1
| Fublication No. US20040077565A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Pavco, Pam | APPLICANT: Pavco, Pam | APPLICANT: Bacobedo, Jam | APPLICANT: Escobedo, Jaime | APPLICANT: Escobedo, Jaim
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE OF INVENTION: Levels of Vascular Application Number: US,10/138,674
CURRENT APPLICATION NUMBER: US,10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO S11
LENGTH: 17
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 3.3e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 66.7%; Pred. No. 3.3e+02;
Matches 10; Conservative 4; Mismatches 1; Indels
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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                                              261 AGGTTCCTTGAGCAG 275
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APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
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; ORGANISM: Homo sapiens
US-10-138-674-7200
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CORGANISM: Homo sapiens
US-10-138-674-5311
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                                                                                                                                                                                                                                                                                              RESULT 310
US-10-138-674-5311/c
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Meswiggen, Jim
APPLICANT: Meswiggen, Jim
APPLICANT: Meswiggen, Jim
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERENCE: MBH800-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287, 949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 2082-2
SOFTWARE: Patentin version 3.0
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APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Jaine
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 4663
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                                                                                                                0.9%; Score 13.4; DB 1; Length 17; 73.3%; Pred. No. 3.3e+02; ative 3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 2129, Application US/10287949A; Publication No. US20040102389A1; GENERAL INFORMATION:
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; Sequence 4663, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
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                                                                                                                  Query Match
Best Local Similarity 73.33
Matches 11; Conservative
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Best Local Similarity 73.3
Matches 11; Conservative
                     TYPE: RNA
ORGANISM: Homo sapiens
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US-10-287-949A-4663
                                                   US-10-287-949A-2129
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LENGTH: 17
LENGTH: 17
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CURRENT APPLICATION NUMBER: US/10/287, 949A
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
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                                    CORRENT FILLING DATE: 2015/1012/2016 PRIOR APPLICATION NUMBER: 1998-09-25 PRIOR FILING DATE: 1998-09-25 PRIOR FILING DATE: 1998-09-24 PRIOR FILING DATE: 1999-09-24 NUMBER OF SEQ ID NOS: 691 SSEQ ID NO 100 LENGTH: 17
CURRENT APPLICATION NUMBER: US/10/676,154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 315
US-10-287-9494-949/C
US-10-287-9494-949/C
; Sequence 949, Application US/10287949A
; Bublication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; Sequence 2128, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                        2003-09-29
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US-10-676-154-100
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ORGANISM: Homo sapiens
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US-10-287-949A-2128
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APPLICANT: MCSWiggen, Jim
APPLICANT: MCSWiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERRORE: MBHBOO-876-N (400/049)
CURRENT APPLICATION WUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
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US-10-287-94A-8515/C

Sequence 8515, Application US/10287949A

Sequence 8515, Application No. US20040102389A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A

CURRENT APPLICATION NUMBER: US/10/287,949A

SOFFWARE OF SEQ ID NOS: 2003-04-11

NUMBER OF SEQ ID NOS: 2003-04-11
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   10; Conservative
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US-10-287-949A-7201
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                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
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                                                                                                        APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5311
TUDE: LENGTH: 17
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
ITTLE OF INVENTION: Levels of Vagcular Endothelial Growth Factor Receptor
FILE REPERENCE: WabBBOO-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7200
LENGTH: 17
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Publication No. U920040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticale, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7201, Application US/10287949A Publication No. US20040102389A1
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  261 AGGTTCCTTGAGCAG 275
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                                             17 AGGTTCCTTGAACAG 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
CORGANISM: Homo sapiens
US-10-287-949A-5311
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 321
US-10-287-949A-7201
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NAME/KEY: misc_feature
LOCATION:
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APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Joh
PAPLICANT: Stinchcomb, Joh
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFERENCE: MBHBO0-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT PILING DATE: 2003-11-13
PRIOR PILING DATE: 2000-03-11
PRIOR PLILING DATE: 2000-04-14
PRIOR PLILING DATE: 2000-04-14
PRIOR PLILING DATE: 1999-08-31
PRIOR PLILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SSOFTHARE PARENTIN VERSION 3.0
SSOFTHARE: ParentIN version 3.0
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Sequence 2128, Application US/10712672
Publication No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme FILE REFERENCE: MBH800-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR APPLICATION NUMBER: US/09/653,225
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                                                                                                                                                                                                                                                                                                                        0.9%; Score 13.4; DB 1; Length 17; 66.7%; Pred. No. 3.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                        4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1212, Application US/10712672
Publication No. US20040102413A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowrira, Bharat
PRIOR APPLICATION NUMBER: US/09/653,225
                   PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-08-13
PRIOR PLING DATE: 2000-00-14
PRIOR APPLICATION NUMBER: 60/150,713
PRIOR PILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 304
LENGTH: 17
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Best Local Similarity 66.73
Matches 10; Conservative
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Matches 10, Conservative
                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Homo sapiens
US-10-712-672-1212
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US-10-712-672-2128/c
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US-10-712-672-1212
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APPLICANT: Lawrence, Blatt APPLICANT: Dennis, Macejak APPLICANT: Dennis, Macejak APPLICANT: James, Macejak APPLICANT: Dennis, Macejak APPLICANT: Dennis, Macejak APPLICANT: Parella, Pavco APPLICANT: Parella, Pavco APPLICANT: Parella, Pavco APPLICANT: Blasbeth, Roberts APPLICANT: Dennis, Mariana APPLICANT: Dennis, Mariana APPLICANTON UNDRER: US/10/669, 841

CURRENT PILING DATE: 2002-06-28

PRIOR PILING DATE: 2001-06-38

PRIOR PILING DATE: 2001-06-38

PRIOR PILING DATE: 2001-06-38

PRIOR PILING DATE: 2001-02-38

PRIOR PILING DATE: 2001-02-38

PRIOR PILING DATE: 2001-02-39

PRIOR PILING DATE: 2001-03-31

PRIOR PILING DATE: 2001-03-31
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 4005, Application US/10669841
; Sequence 4005, Application US/10669841
; GENERAL INFORMATION:
APPLICANT: Lawrence, Blatt
; APPLICANT: Dannis, MacSejak
; APPLICANT: Dannis, McSejak
; APPLICANT: Danid, McSwiggen
; APPLICANT: David, Morrissey
PRIOR FILING DATE: 2000-08-31
PRIOR PAPLICATION NUMBER: 60/197,769
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 1000-04-14
PRIOR PILING DATE: 1999-08-31
NUMBER: 05 ESQ ID NOS: 5586
SOFTWARE: Patentin version 3.0
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
CORGANISM: Homo sapiens
US-10-712-672-2128
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APPLICANT: CHAN WEARINGS
APPLICANT: CHAN WEARINGS
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PRO105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2001-10-26
PRIOR FILING DATE: 2001-05-26
PRIOR FILING DATE: 2001-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-04
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRING DATE: 2001-01-30
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GENERAL INFORMATION:
J. PAPLICANT: GU, Yizhong
APPLICANT: HAYZEL, David K.
APPLICANT: HAYZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: GENN, Wensheng
APPLICANT: GENN, Wensheng
APPLICANT: SHANNON, Mark
TILLEOR FINVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PBOLOS
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-04
PRIOR FILING DATE: 2000-09-04
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6630
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Pred. No. 3.3e+02;
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Publication No. US20040137589A1
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Best Local Similarity 93.3%;
Matches 14; Conservative C
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                                                                         RANK, David R.
CHEN, Wensheng
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US-10-723-361-6630
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APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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33.3%; Pred. No. 3.3e+02;
                                                                                                         Length 17;
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                                                                                                         Score 13.4; DB 1;
Pred. No. 3.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION NUMBER: US 99/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-4005
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                                                                                                                                                                            Mismatches
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
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Publication No. US20040137589A1
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                                                                                                      Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                           17 GGAGGCTGTGAATGC 3
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Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 328
US-10-723-361-6630
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1 TITLE OF INVENTION: ANTIGENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTSP-036
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
FRIOR FILING DATE: 2002-07-17
FRIOR FILING DATE: 2001-01-16
FRIOR RILING DATE: 2001-01-24
NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 109
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME AND METHOD OF PRODUCING THE PROTEIN
0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 3.3e+02; tive 0; Mismatches 1; Indels
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COMPUTER: ISM PC compatible
SEATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.4; DB 1;
Pred. No. 4.3e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ) OTHER INFORMATION: Antisense Oligonucleotide US-10-181-846-109
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: US/09/765,449 FILING DATE: 22-Jan-2001 PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICATION NUMBER: 08/685,558
FILING DATE: «Unknown»
INFORMATION FOR SEQ ID NO: 17
                                                                                                                                                                                        Sequence 109, Application US/10181846 Publication No. Us20030083297A1 GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17, Application US/09765449 Patent No. US20020098537A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: SHIMOMURA, Takeshi
KAWAGUCHI, Toshiya
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MIYAZAWA, Keiji
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                                                                       1259 GGGTAGCCATGCTGG 1273
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Best Local Similarity 93.3%;
Matches 14; Conservative C
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
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                                                                                                        15 GGGTGGCCATGCTGG 1
                                       14; Conservative
                   Best Local Similarity
Matches 14; Conserv
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   Query Match
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                                                                                                                                                                       Remaining Prior Application data removed - NUMBER OF SEQ ID NOS: 15755 SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 10675 LENGTH: 17
                 PRIOR PILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR PLILATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PPLICATION NUMBER: PCT/US01/00668
        APPLICATION NUMBER: PCT/US01/00667
                                                                                                                                                                                                                                                                                                                                                                                                     1259 GGGTAGCCATGCTGG 1273
                                                                                                                                                                                                                                                                                                                                                                                                                                     16 GGTGGCCATGCTGG 2
                                                                                                                                                                                                                                                                                                                                                                     Matches 14; Conservative
                                                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-723-361-10676
                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Heparitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
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OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber =
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APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Methanococcus jannaschii complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8133
CURRENT APPLICATION NUMBER: US/10/287,919
CURRENT FILING DATE: 2002-11-05
NUMBER OF SEQ ID NOS: 2706
SOFTWARE: Proprietary
                                                         Length 15;
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100.0%; Pred. No. 3e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 3e+02;
tive 0; Mismatches 0; Indels
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ORGANISM: Methanococcus jannaschii complete genome.
                                                         DB 1;
. 3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LOCATION:
CTHER INFORMATION: Oligonucleotide substrate
US-09-817-879-4771
                                                       Query Match 0.8%; Score 13; DB Best Local Similarity 100.0%; Pred. No. 3e+Matches 13; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                      Sequence 4771, Application US/09817879 Publication No. US20030171311A1
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; Sequence 360, Application US/10287919
; Publication No. US20030085830A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity
Matches 13; Conserv
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Matches 13; Conserv
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LENGTH: 15
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LENGTH: 15
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RESULT 336
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Patent No. US2002017568A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Brinchcomb, Dan
APPLICANT: Brinch New Town: Levels of NF-Kappa B
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFRENCE: 400/022 (MBHB00-812-D)
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 3767
LENGTH: 15
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REPERDICE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SEQ ID NO 4771
LENGTH: 15
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                                                                                                                                                                                                                                             Query Match 0.8%; Score 13.2; DB 1; Length 17; Best Local Similarity 70.6%; Pred. No. 3.5e+02; Matches 12; Conservative 3; Mismatches 2; Indels
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100.0%; Pred. No. 3e+02;
tive 0; Mismatches 0; Indels
                                                                                                                          TOPOLOGY: linear MOLECULE TYPE: other nucleic acid, synthetic DNA SEQUENCE DESCRIPTION: SEQ ID NO: 17
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Publication No. US20030125270A1
GENERAL INFORMATION:
                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                               876 CAGGTGGAATTATGTGG 892
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ORGANISM: Artificial Sequence
                                SEQUENCE CHARACTERISTICS
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Matches 13; Conservative
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LOCATION:
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APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT PLLICATION NUMBER: US/09/740,332
CURRENT PILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
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Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymetic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Heparitis C Virus Infection
FILE REFERENCE: MBH800-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 9683
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                                                                             OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
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                                                                                                                                                                                                                                                                                                         Ouery Match 0.8%; Score 13; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 3e+02; Matches 0; Mismatches 0; Indels
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NAME/KEY: misc feature
LOCATION: (16) ... (16)
LOCATION: (16) ... (16)
US-09-817-879-9683
                                                                                                                                                                                                              ; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-7368
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LOCATION: (16)..(16)

COTHER INFORMATION: n is inverted deoxyabasic

US-09-740-32-9683
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Publication No. US20030125270A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                    ORGANISM: Artificial Sequence
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                                                                                                                                             NAME/KEY: misc_feature LOCATION:
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Matches 13, Conserv
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LENGTH: 16
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APPLICANY: David, Morrisses
APPLICANY: David, Morrisses
APPLICANY: Patrice, Lee
APPLICANY: Patrice, Lee
APPLICANY: Remeth, Draper
APPLICANY: Remeth, Draper
APPLICANY: Remeth, Roberts
TITLE OF INVENTION: UNIVENTION: UNIVENT: 2003-09-23
FRIOR FILING DATE: 2002-03-26 (8) 41
CURRENT FILING DATE: 2002-03-26 (8) 41
CURRENT FILING DATE: 2001-10-24
RRIOR APPLICATION NUMBER: US 60/335,059
RRIOR FILING DATE: 2001-10-24
RRIOR FILING DATE: 2001-10-24
RRIOR APPLICATION NUMBER: US 60/336,569
RRIOR FILING DATE: 2001-03-26
RRIOR APPLICATION NUMBER: US 60/359,580
RRIOR RILING DATE: 2001-03-26
RRIOR FILING DATE: 2001-03-26
RRIOR RILING DATE: 2001-03-26
RRIOR FILING DATE: 2001-03-26
RRIOR RRIUR FAULTCATION NUMBER: US 09/504,321
RRIOR RRIUR FAULTCATION NUMBER: US 09/504,321
RRIOR RRIUR REMEMBER: US 09/504,321
RRIOR RRIUR RRIUR RRIUR DATE: 2001-03-26
RRIUR 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FEATURE:
1 LOCATION: (719844)...(719858)
2 OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1780
US-10-287-919-1424
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Sequence 1424, Application US/10287919; Bedication No. US20030085830A1; General No. US20030085830A1; General No. US20030085830A1; General Norwarlow: APPLICAINT: Feldmann. Richard J.; Global Determinants, Inc.; TITLE OF INVENTION: Methanococcus jannaschii complete genome.; FIER REFERRINCE: Jim Zegeer Law Offices - 703-684-8333; CURRENT FILING DATE: 2002-11-05; NUMBER OF SEQ ID NOS: 2706; SOFTWARE: Proprietary; SEQ ID NO 1424; LENGTH: 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 13; DB 1; Length 15; 100.0%; Pred. No. 3e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Methanococcus jannaschii complete genome
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Dennis, Macejak
James, McSwiggen
David, Morrissey
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Best Local Similarity
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Sequence 2838, Application US/09864785
Sequence 2838, Application US/09864785
Patent No. US2002017568A1
Patent No. US2002017568A1
Patent No. US2002017568A1
Patent No. US2002017568A1
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwiggen, Jim
APPLICANT: Description of Patential Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of NP-Kappa B
FILE REPERENCE: 400/022 (MHHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEC ID NOS: 3929
SOFTWARE: Patentin version 3.0
                          Sequence 2086, Application US/09864785

Sequence 2086, Application US/09864785

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: McSwiggen, Jim
APPLICANT: Jevels of MP-Kappa B
FILE REFERENCE: 400/022 (MHHB00-812-b)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
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US-09-864-785-2086
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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 3.7e+02;
trive 0; Mismatches 0;
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Patent No. US20020177568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Artificial Sequence
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Best Local Similarity 100.
Matches 13; Conservative
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LENGTH: 17
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APPLICANT: Renied, Deberg

TITLE OF INVENTION: OLIGONUCLECATIOE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA

TITLE OF INVENTION: OLIGONUCLECATION

FILE REFERENCE: 400/04208 (MEHBO2-249-E)

CURRENT FILING DATE: 2003-09_23

CURRENT FILING DATE: 2003-09_23

FRIOR APPLICATION NUMBER: US/10/669,816

PRIOR FILING DATE: 2001-06-08

PRIOR FILING DATE: 2001-06-08

PRIOR FILING DATE: 2001-06-08

PRIOR FILING DATE: 2001-10-24

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NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
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DB 1; Le
3.3e+02;
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1 LOCATION: (16)..(16)

2 OTHER INFORMATION: n is inverted deoxyabasic

US-10-669-841-7427
Query Match

0.8%; Score 13; DB
Best Local Similarity 100.0%; Pred. No. 3.3
Matches 13; Conservative 0; Mismatches
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ORGANISM: Artificial Sequence
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Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                                                                                                               133 ATGGAGGCTGTGA 145
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Kenneth, Draper
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US-UY-818-875-2786/C
; Sequence 2766, Application US/09818875
; Publication No. US2030051270A1
; GENERAL INFORMATION:
APPLICANT: Kniec, Eric B.
APPLICANT: Raiec, Hichael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT APPLICATION NUMBER: US 60/192,176
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
PRIOR PLING DATE: 2000-06-01
PRIOR PLING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
SPIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Priedman macro Napro4
SEQ ID NO 2786
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; Sequence 2787, Application US/09818875
; Publication No. US20030051270A1
; GENERAL INFORMATION:
; APPLICANT: Kniec, Exic B.
; APPLICANT: Rice, Michael C.
; TITLE OF INVENTION: Terranded Oligonucleotides
; TITLE OF INVENTION: Stranded Oligonucleotides
; TITLE OF INVENTION: Terranded Oligonucleotides
; TITLE OF INVENTION: Stranded Oligonucleotides
; TITLE OF INVENTION: Stranded Oligonucleotides
; TITLE OF INVENTION: DATE: 2001-03-27
; FILIR EFFERENCE: 2001-03-27
; FRICH FILING DATE: 2000-03-27
; FRICH FILING DATE: 2000-06-01
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0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0
Matches 13; Conservative
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CORGANISM: Homo sapiens
US-09-818-875-2787
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US-09-818-875-2786
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APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Anber
APPLICANT: Beaudry, Anber
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Sweedler. Dave
CURRENT Elmen, Shaw
ITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MAHOO-831-F (400/009)
CURRENT FILING DATE: 2000-09-27
FRIOR PELING DATE: 2000-09-23
FRIOR PELING DATE: 1999-12-29
FRIOR APPLICATION NUMBER: 09/474,432
FRIOR APPLICATION NUMBER: 09/474,432
FRIOR APPLICATION NUMBER: 09/301,511
FRIOR APPLICATION NUMBER: 09/301,511
FRIOR APPLICATION NUMBER: 09/301,511
FRIOR APPLICATION NUMBER: 09/186,675
FRIOR APPLICATION NUMBER: 09/064,866
FRIOR FILING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/064,866
FRIOR FILING DATE: 1997-11-05
    APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NF-Kappa B
FILE REFERENCE: 400/022 (MRHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864, 785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: Patentin version 3.0
SEQ ID NO 2839
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0.8%; Score 13; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match

0.8%; Score 13; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
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Publication No. US20030004122A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Artificial Sequence
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ORGANISM: Homo sapiens
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GENERAL INFORMATION:
APPLICANT: Bribozyme Pharmaceuticals, Inc.
APPLICANT: Bribozyme Pharmaceuticals, Inc.
APPLICANT: Bribozyme France
MAPLICANT: Bribozyme Applicant: Bart, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jawe
APPLICANT: McSwiggen, Jawe
APPLICANT: McSwiggen, Jawe
APPLICANT: McSwiggen, Jawe
APPLICANT: Morrisesy, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replicants
FILE REPERENCE: Malbolo 485-41
CURRENT APPLICATION NUMBER: US 09/83,712
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR PLING DATE: 2000-09
PRIOR APPLICATION NUMBER: US 09/636,347
PRIOR PLING DATE: 2000-10-24
PRIOR PLING DATE: 1994-02-07
PRIOR APPLICATION NUMBER: US 08/433,503
PRIOR PLING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR PLING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/436,430
PRIOR APPLICATION NUMBER: US 08/436,430
PRIOR PLING DATE: 1995-05-04
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 1115, Application US/09448754A
Publication No. US20030073207A1
Publication No. US20030073207A1
Publication No. US20030073207A1
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBH800-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
NUMBER OF SEC ID NOS: 9645
SOFTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Matches 13; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Hepatitis B virus US-09-877-478-1467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 265 TCCTTGAGCAGGA 277
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Best Local Similarity 100.
Matches 13; Conservative
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ORGANISM: Homo sapiens
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US-09-848-754A-1115/c
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Publication No. U520030060611A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Chowitz, Bharat
APPLICANT: McSwiggen, Jim
APPLICANT: Habberli, Bharat
APPLICANT: Habberli, APPLICANT: Barat
APPLICANT: Habberli, Subserli, Barat
APPLICANT: Habberli, 2004,011)
CURRENT PRICATION NUMBER: US 60/181,797
FRIOR APPLICATION NUMBER: US 60/181,797
FRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SEQ ID NO 1165
SEQ ID NO 1165
                                                                                                                                                                                                                           FULICANT: RIDOZYME PHARMACCULICALS,
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Haberli, Pere
APPLICANT: Heaberli, Pere
TILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION: Method and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT APPLICATION NUMBER: US 60/181,797
PRIOR PILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
SEQ ID NO 288
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Pred. No. 3.7e+02;
4; Mismatches 0; Indels
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                                                                                                       RESULT 348
US-09-780-533A-288
; Sequence 288, Application US/09780533A
; Publication No. US20030060611A1
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Best Local Similarity 69.2%;
Matches 9; Conservative
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                4 CCTTACCCCAGGC 16
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ORGANISM: Homo sapiens
US-09-780-533A-288
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ORGANISM: Homo sapiens
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Matches 9; Conserve
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US-09-877-478-1467/c
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US-09-780-533A-1165
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Query Match

0.8%; Score 13; DB 1; Length 17;
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0; Indels
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; ORGANISM: Homo sapiens
US-09-745-237A-335
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US-09-745-237A-335/c
US-09-745-237A-335/c
Sequence 335, Application US/09745237A
Sequence 335, Application US/09745237A
Sequence 335, Application No. US20030143708A1
September 1 NPORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McNowiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
PILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT PRILIG DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEG ID NO 335
LENGTH: 17
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Sequence 336, Application No. US20030092003A1

GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027

FURENT APPLICATION WUMBER: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0

SEQ ID NO 336

LENGTH: 17
Sequence 335, Application US/09930423
Publication No. US20030092003A1
Publication No. US20030092003A1
Publication No. US20030092003A1
APPLICANT: INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: With Considering the Constant of Alzheimer's Disease
TITLE OF INVENTION: Whehod and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00, 918-A 400/027
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PacentIn version 3.0
SEQ ID NO 335
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 13; DB 1; Length 17; 100.0%; Pred. No. 3.7e+02; tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        13; Conservative
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US-09-930-423-336
                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
CORGANISM: Homo Sapiens
US-09-930-423-335
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity
Matches 13; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-930-423-336/c
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Sequence 728, Application US/10163552
Publication No. US20030105051A1
General INFORMATION:
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US-09-745-237A-336/c
US-09-745-237A-336/c
US-09-745-237A-336/c
Sequence 336, Application US/09745237A
Sequence 336, Application Wo. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Machigen, Jim
CURRENT APPLICANTION: WMEHOG and Reagent for the Treatment of Alzheimer's Disease
FILE REPERINCE: 400/007 (MBHB00-918-A)
CURRENT APPLICANTION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOSTWARE: Patentin version 3.0
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100.0%; Pred. No. 3.7e+02;
tive 0; Mismatches 0; Indels
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US-10-156-306-5116/c
; Sequence 5116, Application US/10156306
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Best Local Similarity 100.
Matches 13; Conservative
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CORGANISM: Homo sapiens
US-09-745-237A-336
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US-10-163-552-728
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Best Local Similarity
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Sequence 7074, Application US/10156306
Publication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozywe Pharmaceuticals, Inc.
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REPERBOCE: MBH801-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
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Publication No. US20030166026A1

GENERAL INFORMATION:
APPLICANT: Lynx Therapoutics, Inc.
APPLICANT: Bowen, Benjamin A
TITLE OF INVENTION: Identification of Specific Biomarkers for Breast Cancer Cells
FILE REFERENCE: 37-000110US
CURRENT APPLICATION NUMBER: US/10/339,782
CURRENT FILING DAFF: 2003-01-08
MINDRED OF CENTION DAFF: 2003-01-08
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0.8%; Score 13; DB 1; Lu
Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
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SOFTWARE: Patentin version 3.1
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CORGANISM: Homo sapiens
US-10-339-782-155
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US-10-156-306-7074
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US-10-156-306-7073
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Publication No. US20030119017A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MBH801-664-A 4400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
SEQ ID NO 6360
LENGTH: 17
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Publication No. US20030119017A1
APPLICANT: NEDOSYMPTION:
APPLICANT: RIDOZYME Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SEQ ID NO 7073
LENGTH: 17
                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Exprantic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-damma and PKR
FILE REFERENCE: MBH801-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT FILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARES: PatentIn version 3.0
LENGTH: 17
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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
                                  Publication No. US20030119017A1 GENERAL INFORMATION:
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ORGANISM: Homo sapiens
US-10-156-306-5116
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; ORGANISM: Homo sapiens
US-10-156-306-6360
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ORGANISM: Homo sapiens
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US-10-156-306-6360/c
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US-10-156-306-7073/c
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US-10-261-185-2787

US-10-261-185-2787

Sequence 2707, Application US/10261185

Publication No. US20040014057A1

Sequence 2707, Application US/10261185

Publication No. US20040014057A1

APPLICANT: Mice, Michael C.

APPLICANT: Rice, Michael C.

TITLE OF INVENTION: Taranded Oligonucleotides

FILE REFERENCE: NaPro-4CON

CURRENT APPLICATION NUMBER: US/10/261,185

CURRENT PILING DATE: 2002-09-27

PRIOR PILING DATE: 2000-03-27

PRIOR PLING DATE: 2000-06-01

PRIOR PLING DATE: 2000-103-30

PRIOR FILING DATE: 2000-103-30
                                                                                                                                                                                                                                                                                                           APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides
CURRENT FILING DATE: 2001-03-27
PRIOR PILING DATE: 2000-03-27
PRIOR PILING DATE: 2000-03-27
PRIOR PILING DATE: 2000-03-27
PRIOR PILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
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Publication No. US20040014057A1
GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 13; Conservative
4 CCTTACCCCAGGC 16
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APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
APPLICANT: Gamper, Howard B.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 60/192,176
PRIOR APPLICATION NUMBER: US 60/192,179
PRIOR PILING DATE: 2000-03-27
PRIOR PLING DATE: 2000-06-01
PRIOR PLILING DATE: 2000-06-01
PRIOR PLILING DATE: 2000-06-01
PRIOR PLILING DATE: 2000-10-30
SPRIOR PLILING DATE: Priedman macro Napro4
                                                                                   APPLICANT: Gamper, Howard B.
PEDLICANT: Rice, Michael C.
TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single
TITLE OF INVENTION: Stranded Oligonucleotides
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                                                                                                                                                                                                                        TITLE CF INVENTAGE.

THE REPERRICE: Napro-4
CURRENT APPLICATION NUMBER: US/10/209,787
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: US 09/818,875
PRIOR FILING DATE: 2000-03-27
PRIOR PILING DATE: 2000-03-27
PRIOR PILING DATE: 2000-03-27
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-10-30
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Publication No. US20030217377A1
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                                                 APPLICANT: Kmiec, Eric B.
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; ORGANISM: Homo sapiens
US-10-209-787-2787
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ORGANISM: Homo sapiens
        GENERAL INFORMATION:
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Sequence 1508, Application US/10287949A

Sublication No. US20040102389A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stochcoo, Jaime
APPLICANT: Stochcoo, Jaime
APPLICANT: Exceptor (400/049)
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE PATELICAND OF SECOND OF
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Magot, Michel
APPLICANT: Ravot, Gilles
ITILE OF INVENTION: METHOD OF. DETECTING SULPHATE-REDUCING BACTERIA
ITILE OF INVENTION: WENTHOD OF. DETECTING SULPHATE-REDUCING BACTERIA
FILE REFERENCE: 1116.28-001.21
CURRENT APPLICATION NUMBER: US/10/347,869
CURRENT APPLICATION NUMBER: US 09/535,012
PRIOR APPLICATION OF SEQ 10 NOS: 37
NUMBER OF SEQ ID NOS: 37
SOFTWARE: Patentin version 3.1
SEQ ID NO 17
LENGTH: 17
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100.0%; Pred. No. 3.7e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                  Score 13; DB 1; Length 17;
Pred. No. 3.7e+02;
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                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-1508
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ORGANISM: Homo sapiens
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Matches 13; Conserva
                                                                                                                                                                                  Query Match
Best Local Similarity
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US-10-347-869-17/c
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LENGTH: 17
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APPLICANT: Blatt, Larry
APPLICANT: Mortiseey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REPERENCE: 400/075 (MBHBO6-845-1)
CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT PILING DATE: 2003-01-15
FRIOR FILING DATE: 2001-06-08
FRIOR FILING DATE: 2000-08-09
FRIOR FILING DATE: 2000-08-09
FRIOR FILING DATE: 2000-08-09
FRIOR FILING DATE: 2000-08-09
FRIOR FILING DATE: 1990-05-10
FRIOR PLICATION NUMBER: US 09/636,347
FRIOR FILING DATE: 1992-05-14
FRIOR FILING DATE: 1992-05-14
FRIOR FILING DATE: 1992-05-14
FRIOR FILING DATE: 1992-11-08
NUMBER OF SEQ ID NOS: 6592
SOFTWARE: Patentin version 3.2
SEQ ID NO 1467
FRINKTH: 17
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Publication No. US2004007565A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
HAPPLICANT: Relation US/10138674

APPLICANT: Resconded Jam
APPLICANT: Esconded Jam
APPLICANT: Esconded Jame
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions ReTILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0

SEQ ID NO 1508
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                                                                                                                    Gaps
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                                                Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 3.7e+02; Matches 13; Conservative 0; Mismatches 0; Indels
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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1467, Application US/10342902
Publication No. US20040054156Al
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                  1508 CCTTACCCCAGGC 1520
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ORGANISM: Hepatitis B virus
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US-10-342-902-1467/c
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; Sequence 2787, Application US/10681074
; Publication No. US20040175722A1
; GENERAL INFORMATION:
   APPLICANT: WINEC, ERIC B.
; APPLICANT: WAN BRABANT, ANJA
; TITLE OF INVERTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
; TITLE OF INVERTION: OLIGONUCLEOTIDE-DIRECTED NUCLEIC ACID SEQUENCE ALTERATION
; TILE REFERENCE: NaPro-18 US
; CURRENT APPLICATION NUMBER: US/10/681,074
; CURRENT FILING DATE: 2003-10-07
; PRIOR APPLICATION NUMBER: US 60/453,360
; PRIOR PELLING DATE: 2003-10-07
; PRIOR PLILING DATE: 2003-10-07
; NUMBER OF SEQ ID NOS: 4375
; SOFTHARE: PREAFFLIN VERSION 3.2
; SEQ ID NO 2787
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US-10-136-638-370/c
US-10-136-638-370, Application US/10336638

Sequence 370, Application US/10336638

Publication No. US20030170699A1

GENERAL INFORMATION:
APPLICANT: Chakravarti, Aravinda
APPLICANT: Case Western Reserve University School of Medicine
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Polymorphisms Associated With
TITLE OF INVENTION: Hypertension
FILE REFERENCE: 018547-03421000
CURRENT FILING DATE: 2003-01-02
PRIOR APPLICATION NUMBER: US/10/336,638
CURRENT PAPLICATION NUMBER: US/09/304,232
PRIOR APPLICATION NUMBER: BALLIER PUBLES BALLIER PUBLES BALLIER APPLICATION NUMBER: BALLIER PUBLES 
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Best Local Similarity 100.0%; Pred. No. 3.7e+02;
Matches 13; Conservative 0; Mismatches 0;
                                                 60/416,983
PRIOR FILING DATE: 2003-03-07
PRIOR APPLICATION NUMBER: US 60
PRIOR FILING DATE: 2002-10-07
NUMBER OF SEQ ID NOS: 4375
SOFTWARE: Patentin version 3.2
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                                                                                                                                                                                                                       SEQ ID NO 2786
LENGTH: 17
                                                                                                                                                                                                                                                                                                             TYPE: DNA
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APPLICANT: Panela, Pavco
APPLICANT: Panela, Pavco
APPLICANT: Remeth, Draper
APPLICANT: Remeth, Draper
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVERTION: ULGOVICLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVERTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US 60/296,876
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-28
PRIOR PLILING DATE: 2001-06-28
PRIOR PLILING DATE: 2001-06-24
PRIOR PLILING DATE: 2001-10-24
PRIOR PLILING DATE: 2001-10-24
PRIOR PLILING DATE: 2001-12-05
PRIOR PLILING DATE: 2001-12-05
PRIOR PLILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/335,124
PRIOR PLILING DATE: 2001-03-11
PRIOR APPLICATION NUMBER: US 09/140,332
PRIOR PLILING DATE: 2001-03-11
PRIOR PRILING DATE: 2001-03-11
PRIPARE PRILING DATE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 2786, Application US/10681074
Publication No. US20040175722A1
GBREAL INFORMATION:
APPLICANT: KAIEC, ERIC B.
APPLICANT: VAN BRABANT, ANJA
TITLE OF INVENTION: MITHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
TITLE OF INVENTION: OLIGONUCLEOTIDE-DIRECTED NUCLEIC ACID SEQUENCE ALTERATION
FILE REFERENCE: NaPro-18 US
CURRENT APPLICATION NUMBER: US/10/681,074
CURRENT FILING DATE: 2003-10-07
PRIOR APPLICATION NUMBER: US 60/453,360
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100.0%; Pred. No. 3.7e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                          Sequence 1467, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirma Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: James, Macejak
APPLICANT: James, McSwiggen
APPLICANT: Dennis, McSwiggen
APPLICANT: Dennis, McSwiggen
APPLICANT: Dennis, McSwiggen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SOFTWARE: Patentin version 3.0 SEQ ID NO 1467 LENGTH: 17
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COGANISM: Hepatitis B Virus
US-10-669-841-1467
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    265 TCCTTGAGCAGGA 277
                 GGCCGCCUCUGUG 13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Best Local Similarity 100.
Matches 13; Conservative
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                                                                                                                                                                                        US-10-669-841-1467/c
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Sequence 163, Application US/10182230

Sequence 163, Application US/10182230

Sequence 163, Application US. US20030215817A1

GENERAL INFORMATION:

APPLICANT: Leonardi, Amedeo

APPLICANT: Sartani, Abraham

APPLICANT: Glass, James R.

APPLICANT: Glass, James R.

APPLICANT: Glass, James R.

APPLICANT: Hasel, Karl W.

TITLE OF INVENTION: Modulation of Gene Expression in Formation of Patty Atheroscleroti

TITLE OF INVENTION: Lesions

TITLE OF INVENTION: Lesions

FILE REFERENCE: 216019-13.

CURRENT FILING DATE: 2000-01-25

NUMBER OF SEQ ID NOS: 197

SOFTWARE PLING DATE: 2000-01-25

NUMBER OF SEQ ID NOS: 197

SEQ ID NO 163

LENGTH: 16
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ZIP: VA 22201-4714

COMPUTER READABLE FORM:
MEDULUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/WS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION UNMERR: US/10/331,907
FILING DATE: 31-Dec.2002
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 16;
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87.5%; Pred. No. 3.5e+02;
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Pred. No. 3.5e+02;
                                                                                                                                                                                                                               APPLICATION NUMBER: US/09/402,923A
FILING DATE: 14-Feb-2001
APPLICATION NUMBER: ECT/GB98/01102
FILING DATE: 15-APR-1998
APPLICATION NUMBER: US 60/043,553
FILING DATE: 15-APR-1997
APPLICATION NUMBER: US 60/048,740
FILING DATE: 05-JUN-1997
ATTORNEY/AGENT INFORMATION:
NAME: B.J.Sadoff
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 439:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 36,663
REPERENCE/DOCKET NUMBER: 620-81
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TELEPHONE: (703)816-4091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEFAX: (703)816-4100 INFORMATION FOR SEQ ID NO: 439: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  253 CCTCCCCAGGTTCCT 268
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ORGANISM: Artificial Sequence
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Matches 14; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 88, Application US/10241780
Publication No. US20030165821A1
GENERAL INFORMATION:
TITLE OF INVENTION: Detection and identification of Human Papillomavirus by PCR and ITILE OF INVENTION: epecific reverse hybridization.
FILE REFERENCE: 3501-0101P
CURRENT FILES 2002-09-11
PRIOR APPLICATION NUMBER: 09/527,030
PRIOR PILING DATE: 2000-03-16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Type specific probe derived from the Human Papillomavirus (HPV) US-10-241-780-88
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STREET: 1100 No. US20030181660Alth Glebe Road, Eighth Floor
CITY: Arlington
STATE: Virginia
COUNTRY: US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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Kawaguchi, Yoshihiko
Merriman, Tony R
Mezker, Michael L
TITLE OF INVERTION: No. US20030181660Alel LDL-Receptor
NUMBER OF SEQUENCES: 455
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                Length 29;
                                                                                                                                                                                                           Query Match 0.8%; Score 13; DB 1; Length 29; Best Local Similarity 69.6%; Pred. No. 6.5e+02; Matches 16; Conservative 1; Mismatches 6; Indels
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    SOFTWARE: FastSEQ for Windows Version 3.0 SEQ ID NO 370 LENGTH: 29
                                                                                                                                                                                                                                                                                                             273 CAGGACCCAGGAGCCATCCCTGG 295
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Publication No. US/20030181660A1
GENERAL INFORMATION:
APPLICANT: Todd, John A
Hess, John W
                                                                                                                                                                                                                                                                                                                                                        27 CAGGCCTGGGARAAGTCCCTGG 5
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Cox, Roger D
Gerhold, David
Hammond, Holly
                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: CYPI1B2EX3 138
US-10-336-638-370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  151 CAATTGCTGGAGCAAG 166
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 88
ENGTH: 16
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Best Local Similarity 87.59
Matches 14; Conservative
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US-10-241-780-88
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SEQ ID NO 1739
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                                                                                                                                                   Sequence 53, Application US/10407807

| Sequence 53, Application No. US20040096848A1
| Publication No. US20040096848A1
| GENERAL INFORMATION:
| APPLICANT: THRUE, CHARLOTTE ALBAEK
| APPLICANT: HOG, ANNA MOLHART
| APPLICANT: KRISTJANSEN, PAUL E.G.
| TITLE OF INVENTION: OLIGOMERIC COMPOUNDS FOR THE MODULATION HIP-IALPHA
| TITLE OF INVENTION: EXPRESSION
| FILE REFERENCE: 57390 (45120)
| CURRENT APPLICATION NUMBER: US/10/407,807
| CURRENT FILING DATE: 2002-04-05
| WINDER OF SEQ ID NOS: 124
| SOFTWARE: PatentIN Ver. 3.2
| SEQ ID NO 53
| INNETH: LENGTH: 16
 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Description of Artificial Sequence: Synthetic; OTHER INFORMATION: oligonucleotide
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 IndelB
 2;
 Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16 creccraccraries 1
                                  44 GGCTGGGAGGGGAGCG
                                                                       16 GGCTGGCAGGAGAGCG
Matches 14; Conservative
                                                                                                                                                 US-10-407-807-34/c
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Gaps

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1525 TTCTGGGGCCTGGTGA 1540

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Sequence 2, Application US/10232923

Sequence 2, Application World 162249A1

Publication No. US20040162249A1

GENERAL INFORMATION:

APPLICANT: Hong Kong University Science and Technology

APPLICANT: Liang, Chun

APPLICANT: Liang, Chun

APPLICANT: Pu, Zhiling

APPLICANT: Pu, Zhiling

APPLICANT: Pu, Zhiling

APPLICANT: No. Zhiling

TITLE OF INVENTION: ANTISENSE OLIGONUCLEOTIDE INHIBITION OF HUMAN REPLICATION-INITIAN

FILE REFERENCE: 2014-183-14

CURRENT APPLICANTON NUMBER: US/10/232,923

CURRENT PILING DATE: 2002-08-29

NUMBER OF SEQ ID NOS: 27

SOFTWARE: Patentin version 3.1

SEQ ID NO 2

LENGTH: 16
                                                                                                                                                                                                                                                                       GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REFERENCE: MBHB00-883-C (400/019)

CURRENT FILING DATE: 2003-11-13

PRIOR APPLICATION NUMBER: 60/197,769

PRIOR PELING DATE: 2000-04-14

PRIOR FILING DATE: 2000-04-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 16;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 68.8%; Pred. No. 3.5e+02;
Matches 11; Conservative 3; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: antisense oligonucleotide
US-10-232-923-2
                                                                                                                                                                                 Sequence 1739, Application US/10712672 Publication No. US20040102413A1 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           455
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16 TTCTGGATGCTGGTGA 1
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Best Local Similarity 87.5'
Matches 14; Conservative
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US-10-712-672-1739
                                                                                                                                                                 US-10-712-672-1739
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APPLICANT: SHANNON, MAEK
TITLE OF INVENTION: WOOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPRENCE: ABONICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US 60/207,456
FRIOR FILING DATE: 2000-05-25
FRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-05-36
FRIOR FILING DATE: 2000-05-36
FRIOR PELING DATE: 2001-01-03
FRIOR PELING DATE: 2001-01-30
FRIOR PELING DATE: 2001-01-
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APPLICANT: SHAWNON, Mark
TITLE OF INVENTION: MYSOIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Ouery Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Fred. No. 3.9e+02;
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CURRENT FILING DATE: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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Patent No. USZ0020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PRNN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
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                                                                                                                                                                                                                                                                                               APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-06-26

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
                                               Sequence 434, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 435, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, DAVIG K.
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1 Similarity 87.5%;
14; Conservative (
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; ORGANISM: Homo sapiens
US-09-866-108-434
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Best Local Similarity
Matches 14; Conserv
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Length 17; Indele

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GENERAL INFORMATION:

APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: HANZIN.
APPLICANT: HANZIN.
BANK, David K.
APPLICANT: HANZIN.
APPLICANT: GIRIN, Wensheng
TILE OF INVENTION: MYCSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-05-25
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PRILICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR DATE: 2001-01-30
PRIOR FILING SATE APPLICATION NUMBER: AS SEQUENCE LISTING ENGINE
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APPLICATION NUMBER: PCT/US01/00662
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
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Patent No. US20020048800A1
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US-09-866-108-932
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APPLICANT: 61, 1121019
APPLICANT: 61, Yongang
APPLICANT: 61, Yongang
APPLICANT: BRNK, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: WOSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
FRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-00-4
FRIOR FILING DATE: 2000-00-4
FRIOR APPLICATION NUMBER: US 60/236,359
FRIOR FILING DATE: 2000-00-03
FRIOR FILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/USO1/00667
FRIOR APPLICATION NUMBER: PCT/USO1/00669
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                                             PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-02-05
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
                  PRIOR APPLICATION NUMBER: US 60/236,359
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CORGANISM: Homo sapiens
US-09-866-108-930
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; __TYPE:.DNA
; _ORGANISM: Homo sapiens
US-09-866-108-1201
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US-09-866-108-1416
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US-09-866-108-1416
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ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ILE REFERENCE: AEOMICA-7
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: US 60/234,687

PRIOR APPLICATION NUMBER: US 60/266,860

PRIOR FILING DATE: 2000-09-21

PRIOR APPLICATION NUMBER: US 60/266,860

PRIOR FILING DATE: 2001-02-05

SOFTWARE: Aeomica Sequence Listing Engine

SEQ ID NO 1200

LENGTH: 17
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CURRENT FILING DATE: 2001-05-25
REIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-37
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
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SEQ ID NO 1201
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1201, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108-1200
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APPLICANT: CHEM, Wensheng
APPLICANT: CHEM, Wensheng
APPLICANT: CHEM, Wensheng
TITLE OR: INTEMATON: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFRENCE: AEOMICA-7
CURRENT APPLICATION WIMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION WIMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR PRILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PRILING DATE: 2001-01-30
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   Length 17
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 1416, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
                                                                                                                                                      1061 TCTTCTTTGCCTTCCT 1076
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Page 110

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APPLICANT: CHEN, Wensheng
PAPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER 15/09/866,108
CURRENT FILING DATE: 2001-05-25
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                                                                                                                                                                                                             FILE REFERENCE: ARGMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PELING DATE: 2000-05-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-04
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2000-09-21
PRIOR PILING DATE: 2000-09-21
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Patent No. US20020048800A1
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
PENN, Sharron G.
HANZEL, David K.
RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8
Best Local Similarity 87.5
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
US-09-866-108-1535
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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1. Similarity 87.5%; Pred. No. 3.9e+02;
14; Conservative 0; Mismatches 2; Indels
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APLICATION NUMBER: US 60/207,456
PRIOR APLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 1417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1535, Application US/09866108
Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
                                                                                                                                                                 Sequence 1417, Application US/09866108
Patent No. US20020048800A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             138 GGCTGTGAAGGCACAA 153
      2 GGCTGTGAAGCCCCAA 17
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                                                                                                                                                                                                                                                                                                                                                                     HANZEL, David K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ILE REFERENCE: AEOMICA-7
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ORGANISM: Homo sapiens
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Matches 14; Conserva
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US-09-866-108-1535
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GENERAL INCRAFILOR:

APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: BENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHARNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00665
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 1646
LENGTH: 17
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Patent No. US20020048800A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-09-866-108-1648/c
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APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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0.8%; Score 12.8; E
Best Local Similarity .87.5%; Pred. No. 3.9e
Matches 14; Conservative 0; Mismatches
                                                                                    PRIOR FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR APPLICATION NUMBER: PCT/US01/00662
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR PILING DATE: 2001-01-30
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
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Sequence 1646, Application US/09866108
Patent No. US20020048800A1
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; ORGANISM: Homo sapiens
US-09-866-108-1537
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Sequence 2201, Application US/09866108
Patent No. US20020048800A1
GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, WASINON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                   0.8%; Score 12.8; DB 1; Length 17;
87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
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87.5%; Pred. No. 3.9e+02;
iive 0; Mismatches 2; Indels
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CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2001-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-03
PRIOR PILING DATE: 2000-10-30
PRIOR PILING DATE: 2001-01-30
       SOFTWARE: Aeomica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                      560 TGTGGGCCAGGGCAC 575
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                                                                                                                                                                                                                                                                                                                                        14; Conservative
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                                                                                                                TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-2289
                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
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Best Local Similarity
Matches 14; Conserv
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US-09-866-108-2301/c
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                                          SEQ ID NO 2289
LENGTH: 17
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Pachic No. US20020048800A1

GENERAL INFORMATION:
APPLICANT: GU, Yizhong

APPLICANT: GU, Yongang

APPLICANT: GU, Yongang

APPLICANT: GU, Yongang

APPLICANT: GU, DAYER: DAYER A.
APPLICANTON: MOGNIT-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEDOLICANTON MUMBER: US 60/207,456

FRIOR FILING DATE: 2001-05-26

FRIOR PELLOR APPLICATION NUMBER: US 60/207,456

FRIOR PELLOR APPLICATION NUMBER: US 60/207,456

FRIOR PELLOR APPLICATION NUMBER: PCT/US01/00666

FRIOR PELLOR APPLICATION NUMBER: PCT/US01/00666

FRIOR APPLICATION NUMBER: PCT/US01/00667

FRIOR PELLING DATE: 2001-01-30

FRIOR PELLING DATE: 2001-01-30
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   PRIOR APPLICATION NUMBER: PCT/USO1/00661
; PRIOR PILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: PCT/USO1/00670
; PRIOR PILING DATE: 2001-01-30
; PRIOR APPLICATION NUMBER: US 60/234,687
; PRIOR PILING DATE: 2000-09-21
; PRIOR PILING DATE: 2000-09-21
; PRIOR PILING DATE: 2000-09-21
; NUMBER OF SEQ ID NOS: 15752
; SOFTWARE: Aeomica Sequence Listing Engine ; SEQ ID NO 1648
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FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-1648
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APPLICANT: HANZEL, DAYLA K.
APPLICANT: RANK, Wensheng
APPLICANT: GENY, Wensheng
APPLICANT: GENY, Wensheng
APPLICANT: GIRN, Wensheng
APPLICANT: GIRN, Wensheng
APPLICANT: GIRN, Wensheng
APPLICANT: GIRN, Wensheng
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR PLICATION NUMBER: US 60/207,456
PRIOR PLICATION NUMBER: US 60/207,456
PRIOR PLICATION NUMBER: US 60/207,656
PRIOR PLICATION NUMBER: US 60/207,666
PRIOR PLICATION NUMBER: US 60/206,059
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR PLICATION NUMBER: PCT/US01/0066
PRIOR PLICATION NUMBER: PCT/US01/00669
PRIOR PLICATION NUMBER: PCT/US01/00661
PRIOR PLICATION NUMBER: PCT/US01/00661
PRIOR PLICATION NUMBER: PCT/US01/00661
PRIOR PLICATION NUMBER: US 60/234,687
PRIOR PLICATION NUMBER: US 60/266,860
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OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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Pred. No. 3.
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Patent No. US20020048800A1
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.8%;
Best Local Similarity 87.5%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16 ccaccrecccasecr 1
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APPLICANT: JI, Yonggang
PPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108-6546
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LE REPERENCE: AEOMICA-7
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Congervative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PRILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
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PRIOR PLING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00664
FILING DATE: 2001-01-30
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APPLICATION NUMBER: PCT/US01/00668
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PRIOR PILING DATE: 2000-09-21
PRIOR APPLICATION NUMBER: US 60/266,860
PRIOR FILING DATE: 2001-02-05
                                                                                                                                                                                                                       Sequence 6545, Application US/09866108 Patent No. US20020048800A1
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549 GGCCCTACGGCTGTGG 564
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, ORGANISM: Homo sapiens
US-09-866-108-6545
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US-09-866-108-6546/c
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PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-02-05
PRIOR PLING DATE: 2001-02-05
PRIOR PLING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PLILING DATE: 2000-04

PRIOR PLILING DATE: 2000-09-27

PRIOR PLILING DATE: 2000-09-27

PRIOR PLILING DATE: 2001-01-30

PRIOR PLILING DATE: 2001-01-30
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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00668
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Patent No. US20020048800A1
GENERAL INFORMATION:
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/
PRIOR FILING DATE: 2001-01-30
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APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANDON: Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-06-26
PRIOR PLING DATE: 2000-010-04
PRIOR PLING DATE: 2000-010-04
PRIOR PLING DATE: 2000-09-27
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                                                  CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
                         CURRENT APPLICATION NUMBER: US/09/866,108
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GI, Yonggang
APPLICANT: PENN, Sharron G,
APPLICANT: HANZEL, David K.
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APPLICANT: CHEN, Wensheng
PEPLICANT: SHAMNON, Mark
TITLE OF INVENTION: MYSOIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
PILE REFERENCE: AEOMICA-7
                                                       Gaps
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0
Length 17;
                                                     Indels
Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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; TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108-7707
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PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
ILE REFERENCE: AEOMICA-7
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                                         PRIOR APPLICATION NUMBER: PCT/USO1/00662
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-09-21
PRIOR PLING DATE: 2001-09-21
PRIOR PLING DATE: 2001-05-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine SENGTH: 17
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CURRENT FILING DATE: 2001-05-25
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-00-4
PRIOR PLILING DATE: 2000-00-4
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
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R APPLICATION NUMBER: PCT/US01/00668
R FILING DATE: 2001-01-30
R APPLICATION NUMBER: PCT/US01/00663
R APPLICATION NUMBER: PCT/US01/00663
R APPLICATION NUMBER: PCT/US01/00662
R APPLICATION NUMBER: PCT/US01/00662
R FILING DATE: 2001-01-30
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PILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00669
FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/USO1/00665
APPLICATION NUMBER: PCT/US01/00663
FILING DATE: 2001-01-30
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APPLICATION NUMBER: US 60/234,687
FILING DATE: 2000-09-21
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Patent No. US20020048800A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-7706
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APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEM, Wensheng
APPLICANT: CHEM, Wensheng
APPLICANT: SHANKON, MATK
TITLE OF INVENTION. MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/25,456
PRIOR APPLICATION NUMBER: 2000-05-26
PRIOR PRICK PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING
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0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 3.9e+02; ive 0; Mismatches 2; Indels
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: HANGEL, David K.
                                                                                                                                       1067 TIGCCTICCTCCATTG 1082
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                                Best Local Similarity 87.5
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8328
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| Sequence #311, Mpcgloachon US/09861108 |
| Sequence #311, Mpcgloachon US/0910406, 100 |
| Sequence #312, Mpcgloachon US/0910406, 100
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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; ORGANISM: Homo sapiens
US-09-866-108-8361
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Best Local Similarity
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APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: BERN, Sharron G.
APPLICANT: RENN, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, MAIK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-06-26
PRIOR PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-010-04
PRIOR FILING DATE: 2000-010-04
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MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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                                                                                  CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-00-3
PRIOR FILING DATE: 2000-00-27
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-02-21
PRIOR PILING DATE: 2001-02-21
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Pred. No. 3.
                                                                CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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Patent No. US20020048800A1
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Best Local Similarity 87.5%;
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108-8352
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GENERAL INPORMATION:

APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: H, Yonggang

APPLICANT: PENN, Sharron G.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: SHANNON, MARCH

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEOMICA-7
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CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2001-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-06-26
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR SEQUENCE LISTING DATE: 2001-01-30
PRIOR SEQUENCE L
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 60/234,687
PRIOR FILING DATE: 2000-09-21
PRIOR PELING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 8928
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Patent No. US20020048800A1
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; ORGANISM: Homo sapiens
US-09-866-108-8928
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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                    PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2000-09-21
PRIOR PLING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8362
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CURRENT PILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PLLING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PLLING DATE: 2000-10-04

PRIOR PLLING DATE: 2000-10-04

PRIOR PLLING DATE: 2000-09-27

PRIOR PELLING DATE: 2000-09-27

PRIOR PELLING DATE: 2001-01-30

PRIOR PELLING DATE: 2001-01-30
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Patent No. US20020048800A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G,
APPLICANT: PENN, Sharron G,
APPLICANT: RANK, David K,
APPLICANT: CHEN, Wensheng
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APPLICATION NUMBER: PCT/US01/00661
FILING DATE: 2001-01-30
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        PRIOR FILING DATE: 2001-01-30
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; ORGANISM: Homo sapiens
US-09-866-108-8362
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Best Local Similarity
Matches 14; Conserv
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US-09-866-108-9023/c
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PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, Mark
ITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                  Gaps
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                                                                                                    Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-00-07
PRIOR PLILING DATE: 2000-00-07
PRIOR PLILING DATE: 2000-00-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PILING DATE: 2001-01-30
PRIOR PI
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CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT FILING DATE: 2001-05-25
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Patent No. US20020048800A1
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; ORGANISM: Homo sapiens
US-09-866-108-9020
; ORGANISM: Homo sapiens
US-09-866-108-8929
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1916-10-566-10-9013, Application US/09866108
PREATE NO. USANGORO48600A1
PREATE NO. USANGORO48600A1
PREATE NO. USANGORO48600A1
PREATE NO. USANGORO48600A1
PREPLICANT: GIT. YIZADGG
PREPLICANT: GIT. YIZADGG
PREPLICANT: RANK. DAVIG R.
PREPLICANT: SOUTH OF S.
PREP

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APPLICANT: GU, YIZAONG
APPLICANT: GT, YIZAONG
APPLICANT: JT, YONGGANG
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: GINVERTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT PILING DATE: 2001-05-25
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR PILING DATE: 2000-100-04
PRIOR PLILING DATE: 2000-100-04
PRIOR PLILING DATE: 2000-100-27
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00661
PRIOR PLILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-25
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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LENGTH: 17
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Patent No. US20020048800A1
GENERAL INFORMATION:
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US-09-866-108-9025
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                                                                                                    APPLICANT: SHANNOW, MAIK
TITLE OF INVENTION: WOOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: WOOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR ENTING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-01-30
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE REPERBNCE: ABOMICA-7
CURRENT APPLICATION UNMER: US/09/866,108
CURRENT APPLICATION TOWNER: 2001-05-25
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
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Patent No. US20020048800A1
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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                HANZEL, David K.
                                                        RANK, David R. CHEN, Wensheng
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US-09-866-108-9023
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE ON TINVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
PILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.98+02;
Matches 14; Conservative 0; Mismatches 2;
PRIOR APPLICATION NUMBER: PCT/USO1/00661
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2000-09-21
PRIOR FILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine SEQ ID NO 9830
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PRIOR FILING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/20, 359
PRIOR PLING DATE: 2000-10-04
PRIOR PELLING DATE: 2000-10-04
PRIOR PELLING DATE: 2001-01-30
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CURRENT FILING DATE: 2001-05-25
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; ORGANISM: Homo sapiens
US-09-866-108-9830
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: JI, Yonggang
APPLICANT: PERN, Sharron G.
APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
TILLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE REFERENCE: AEGMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108
CURRENT APLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-00-526
PRIOR PILING DATE: 2000-00-67
PRIOR PILING DATE: 2000-00-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
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Pred. No. 3.9e+02;
0; Mismatches 2;
                                                                      PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-02-05
NUMBER OF SEQ ID NOS: 15752
SOFTWARE: Acomica Sequence Listing Engine
SSOFTWARE: Acomica Sequence Listing Engine
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           APPLICATION NUMBER: PCT/US01/00669
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Patent No. US20020048800A1
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Best Local Similarity 87.51
Matches 14; Conservative
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US-09-866-108-9829
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819 CTTCCTCTTCTGCCCA 834
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Matches 14; Conservative
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US-09-827-998-759
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US-09-827-998-762
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US-09-827-998-762
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LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                      Sequence 755, Application US/09827998
; Sequence 755, Application US/09827998
; Patent No. US20020102252A1
; GENERAL INFORMATION:
    APPLICANT: Shannon, Mark
; TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
; FILE REPREBRUCE: MDhMORF-8
; CURRENT APPLICATION NUMBER: US/09/827,998
; CURRENT APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-05-26
; PRIOR APPLICATION NUMBER: US 60/207,456
; PRIOR FILING DATE: 2000-09-27
; NUMBER OF SEQ ID NOS: 1881
; SEQ ID NO 755
; LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Ghannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDHMORF-8
CURRENT APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/236, 359
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE APPOINT
SOFTWARE APPLICATION SEQ ID NOS: 1881
SOFTWARE APPLICATION OF SEQ ID NOS: 1881
SOFTWARE APPLICATION OF SEQ ID NOS: 1881
SOFTWARE APPLICATION OF SEQ ID NOS: 1881
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                                                                                                                                 Query Match
0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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US-09-827-998-756
Sequence 756, Application US/09827998
; Patent No. US20020102252A1
                                                                                                                                                                                                                           1261 GTAGCCATGCTGGGTG 1276
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                                     TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108-10672
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US-09-827-998-755
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CORGANISM: Homo sapiens
US-09-827-998-756
SEQ ID NO 10672
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                       LENGTH: 17
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RESULT 418

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US -0-12/-939-75
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| Sequence 2925 | Application US/09864785 | Sequence 2925 | Applicant Information | Applicant Stinchcomb, Dan | Applicant Draper, Ken | Applicant Draper, Ken | Applicant Draper, Ken | Applicant | Sequence | Applicant | 
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APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Dan
APPLICANT: Dan
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of NF-Kappa B
TITLE REPERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
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; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-1569
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 17;
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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Ostiniarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
TITLE OF INVENTION: Levels of NP-Kappa B FILE REFERENCE: 400/022 (MBHB00-812-D) CURRENT APPLICATION NUMBER: US/09/864,785 CURRENT FILING DATE: 2001-05-23 NUMBER OF SEQ ID NOS: 3929 SOFTWARE: Patentin version 3.0 SEQ ID NO 1569
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 2924, Application US/09864785
Patent No. US20020177568A1
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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SOFTWARE: Patentin version 3.0
SEQ ID NO 2925
                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Artificial Sequence
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SOFTWARE: PatentIn version 3.0
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LENGTH: 17
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Sequence 385, Application US/09864785

Patent No. US2002017568A1

GENERAL INFORMATION:
APPLICANT: StinchComb, Dan
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of NP-Kappa B
FILE REFERENCE: 400/022 (MBHB00-812-D)
CURRENT APPLICATION NUMBER: US/09/864,785
CURRENT FILING DATE: 2001-05-23
NUMBER OF SEQ ID NOS: 3929
SOFTWARE: PatentIn version 3.0
SEQ ID NO 385
LENGTH: 17
                                                      APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Levels of NF-Kappa B
TITLE OF INVENTION: Levels of NF-Kappa B
TITLE OF INVENTION: Levels of NF-Kappa B
CURRENT APPLICATION WHBER: 2001-08-23
WIMBER OF SEQ ID NOS: 3229
SOFTWARE: Patentin version 3.0
SEQ ID NO 344
LENGTH: 17
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
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US-09-864-785-385
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Patent No. US20020177568A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPLICANT: Draper, Ken
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      158 TGGAGCAAGCGCAGGG 173
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
ORGANISM: Artificial Seguence
FEATURE:
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Best Local Similarity 75.0*
Matches 12; Conservative
           US20020177568A1
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Sequence 1419, Application US/09818875

Sequence 1419, Application US/09818875

Publication No. US2003005127041

GENERAL INFORMATION:

APPLICANT: Raiec, Eric B.

APPLICANT: Raiec, Michael C.

TITLE OF INVENTION: Stranded Oligonucleotides

CURRENT APPLICATION NUMBER: US/09/818,875

CURRENT APPLICATION NUMBER: US 60/192,176

PRIOR FILING DATE: 2000-03-27

PRIOR FILING DATE: 2000-03-27

PRIOR APPLICATION NUMBER: US 60/192,179

PRIOR PRILING DATE: 2000-06-01

PRIOR PRILING DATE: 2000-06-01

PRIOR PRILING DATE: 2000-06-01

PRIOR FILING DATE: 2000-06-01

PRIOR FILING DATE: 2000-06-01

SOFTWARE FILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 4385

SOFTWARE FILING DATE: Priedman macro Napro4

SEQ ID NO 1419
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Publication No. US20030051270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Kmiec, Eric B.
APPLICANT: Rice, Michael C.
APPLICANT: Rice, Michael C.
TITLE OF INVENTION: Stranded Oligonucleotides
FILE REFERENCE: Napro-4
CURRENT APPLICATION NUMBER: US/09/818,875
CURRENT FILING DATE: 2001-03-27
PRIOR APPLICATION NUMBER: US 60/192,176
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                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 12.8; DB 1; Length 1
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
CURRENT APPLICATION NUMBER: US/09/730,289B CURRENT FILING DATE: 2000-12-05 PRIOR APPLICATION NUMBER: US 60/169,100 PRIOR FILING DATE: 1999-12-06 NUMBER OF SEQ ID NOS: 3897 SOFTWARE: Patentin version 3.0 SEQ ID NO S.55 LENGTH: 17
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US-09-730-289B-525
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US-09-818-875-1419
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                                                                                                                                                                                                                                 TYPE: RNA
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APPLICANT: Benderman, Leo
APPLICANT: Bendery, Alex
APPLICANT: Rarpeisky, Alex
APPLICANT: Rarpeisky, Alex
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Sweedler, Dasenka Matulic
APPLICANT: Sweedler, Dasenka
TITLE OF INTENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MBHB00-831-F (400/009)
CURRENT APPLICATION NUMBER: 09/578,23
PRIOR APPLICATION NUMBER: 09/578,23
PRIOR APPLICATION NUMBER: 09/476,387
PRIOR PLING DATE: 1999-12-29
PRIOR PLING DATE: 1999-12-29
PRIOR APPLICATION NUMBER: 09/14,432
PRIOR PLING DATE: 1999-04-28
PRIOR PLING DATE: 1999-04-28
PRIOR PLING DATE: 1999-04-29
PRIOR RELING DATE: 1999-11-04
PRIOR PLING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 1558
SOFTWARE: PATENTIN VERSION 3.0
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Publication No. US20030050259A1
GENERAL INFORMATION:
APPLICANT: Riboxyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Matchod and Reagent for Treatment of Cardiac Disease
FILE REFERENCE: MBHB00-864-A (400/006)
                                                                                                                                                                                                                                                     Gaps
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                                                                                                        ; OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid US-09-864-785-2925
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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Publication No. US20030004122A1
GENERAL INFORMATION:
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                         TYPE: RNA
ORGANISM: Artificial Sequence
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; ORGANISM: Homo sapiens
US-09-825-805-447
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Matches 14; Conserv
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Best Local Similarity
Matches 11; Conserv
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US-09-730-289B-525/c
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  LENGTH: 17
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NUMBER OF SEQ ID NOS: 6679
SOFTWARE: PatentIn version 3.0
SEQ ID NO 740
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                                                                                    ; TYPE: RNA; Homo sapiens
US-09-780-533A-740
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; ORGANISM: Homo sapiens
US-09-780-533A-900
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ORGANISM: Homo sapiens
US-09-780-533A-901
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Matches 13; Conserv
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US-09-780-533A-901
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LENGTH: 17
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US-09-780-533A-78

Sequence 78, Application US/09780533A

Publication No. US2030066611A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: Chowrira, Bharat

APPLICANT: Haeberli, Pete

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene

FILE REFERENCE: MBHB00,878-A (400/01)

CURRENT APPLICATION NUMBER: US/09/780,533A

CURRENT FILING DATE: 2000-02-11

NUMBER OP SEQ ID NOS: 6679

SOFTWARE: Patentin version 3.0

SEQ ID NO 78

LENGTH: 17
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CURRENT PELICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2001-02-09
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43.8%; Pred. No. 3.9e+02;
tive 7; Mismatches 2; Indels
                                      PRIOR FILING DATE: 2000-03-27
PRIOR APPLICATION NUMBER: US 60/208,538
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-06-01
PRIOR FILING DATE: 2000-10-30
NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1420
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FILING DATE: 2000-03-27
APPLICATION NUMBER: US 60/192,179
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Best Local Similarity 43.84
Matches 7; Conservative
                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-818-875-1420
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; ORGANISM: Homo sapiens
US-09-780-533A-78
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: Blatt, Larry

APPLICANT: Chowrita, Bharat

APPLICANT: Haeberli, Pete

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Gene

TITLE PEFERENCE: MBHB00, 978-A (400/011)

CURRENT APPLICATION NUMBER: US/09/780, 533A

CURRENT FILING DATE: 2001-02-09

PRIOR APPLICATION UNMERE: US 60/181, 797

PRIOR PILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 6679

SOFTWARE: Patentin version 3.0
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APPLICANT: McSwiggen, Jim
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Haberli, Pete
TITLE OF INVENTION: Wethod and Reagent for the Inhibition of NOGO Gene
FILE REFERENCE: MBHB00,878-A (400/011)
CURRENT APPLICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2000-02-09
PRIOR APPLICATION NUMBER: US 60/181,797
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
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                                                              2; Indels
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31.2%; Pred. No. 3.9e+02;
Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                            RESULT 431
US-09-780-533A-900
Sequence 900, Application US/09780533A
Publication No. US20030060611A1
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Page 126

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APPLICANT: McSwiggen, Jim
APPLICANT: Ayers, Dave
APPLICANT: Ayers, Dave
APPLICANT: Arupe, Andrew
APPLICANT: Szynkowski, Edmund
TITLE OF INVENTION: Method and Reagent for the Inhibition of Calcium Activated Chloric
TITLE OF INVENTION: Channel-1
FILE REFERENCE: 249/021
CURRENT APPLICATION NUMBER: US/09/927,046
CURRENT FILING DATE: 2001-08-09
NUMBER OF SEQ ID NOS: 5450
SOFTWARE: PatentIn version 3.0
SUPTION 2079
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
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16 TCTCCACAGTTGCCCA 1
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Matches 14; Conservative
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US-09-927-046-1669
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US-09-927-046-2079/c
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Publication No. US20030064946A1

GENERAL INFORMATION:
APPLICANT Ribozyme Pharmaceuticals, Inc
APPLICANT MCKenzie, Jim
APPLICANT MCKenzie, Tim
APPLICANT Grupe, Andrew
APPLICANT Ayers, Dave
APPLICANT Ayers, Dave
APPLICANT Ayers, Dave
APPLICANT Ayers, Laden
APPLICANT Ayers, Laden
APPLICANT Ayers, Laden
APPLICANT STYMKOWSKI, Edmund
TITLE OF INVENTION: Channel-1
FILE REFERENCE: 249/021
CURRENT APPLICANTON NUMBER: US/09/927,046
NUMBER OF SEQ ID NOS: 5450

SOFTWARE: PatentIn version 3.0
SEQ ID NOS 5450
SEQ ID NOS 696
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Fublication No. US20030060611A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Haeberli, Pete
TITLE OF INVENTION: Method, 878-A (400/011)
CURRENT PERERENCE: MBHB00, 878-A (400/011)
CURRENT PELICATION NUMBER: US/09/780,533A
CURRENT FILING DATE: 2000-02-01
FRIOR PILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 6679
SOFTWARE: Patentin version 3.0
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               Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 81.2%; Pred. No. 3.9e+02; Matches 13; Conservative 1; Mismatches 2; Indels
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43.8%; Pred. No. 3.9e+02;
tive 7; Mismatches 2; Indels
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                                                                                                  247 CCCCCACCTCCCCAG 262
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1 GCUGCUUCUUCCUU 16
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Matches 7; Conservative
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US-09-780-533A-984
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ORGANISM: Homo sapiens
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                                                                                                                                                                                                      RESULT 433
US-09-780-533A-984
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McHod and Reagent for Inhibiting Hepatitis B Virus Replication
CURRENT APPLICATION NUMBER: US/09/877,478
CURRENT APPLICATION NUMBER: US 09/636,385
FRIOR PILING DATE: 2000-08-09
FRIOR PILING DATE: 2000-08-09
FRIOR PILING DATE: 2000-08-09
FRIOR PELING DATE: 2000-08-09
FRIOR PELING DATE: 1994-02-07
FRIOR PELING DATE: 1995-05-04
FRIOR PELING DATE: 1995-05-04
FRIOR PELING DATE: 1995-05-04
FRIOR PELING DATE: 1995-05-04
FRIOR PELING DATE: 1999-11-08
FRIOR FILING DATE: 1999-11-08
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Best Local Similarity 50.0%; Pred. No. 3.9e+02;
Matches 8; Conservative 6; Mismatches 2;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Fred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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                                                                               09/436,430
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PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: PATENTIN VETSION 3.0
SEQ ID NO 808
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ORGANISM: Hepatitis B virus
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Fublication No. US20030068301A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: MCSWiggen, Jan

TILLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILLE OF INVENTION NUMBER: US 00/877,478
CURRENT APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR PILING DATE: 2000-03-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR PILING DATE: 2000-08-09
PRIOR PILING DATE: 2000-08-09
PRIOR PILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-10-24
                                             US-40*40/1-40;118
Sequence 118 Application US/09877478
Publication No. US20030068301A1
GENERAL INFORMATION
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blact, Larry
APPLICANT: Draper, Kenneth
APPLICANT: Blact, Larry
APPLICANT: McEwiggen, Jim
APPLICANT: McEwiggen, Jim
APPLICANT: McEwiggen, Jim
APPLICANT: McEwiggen, Jim
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MODIO-845-H (400/029)
CURRENT FILING DATE: 2001-12-31
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR PLICATION WUMBER: US 09/536,385
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-08-09
PRIOR FILING DATE: 2000-10-24
PRIOR APLICATION NUMBER: US 08/53,627
PRIOR APLICATION NUMBER: US 08/433,93
PRIOR APLICATION NUMBER: US 08/433,93
PRIOR FILING DATE: 1995-05-04
PRIOR PLING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
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APPLICATION NUMBER: US 08/193,627
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PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
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Sequence 186, Application US/09930423

| Sequence 186, Application US/0902003A1
| Publication No. US20030092003A1
| Publication No. US20030092003A1
| GENERAL INFORMATION:
| APPLICANT: Blact, Larry
| APPLICANT: Blact, Larry
| APPLICANT: Black, Larry
| APPLICANT: McSwiggen, Jim
| TILLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
| FILE REFERENCE: MBHB00, 1918-A 400/027
| CURRENT APPLICATION NUMBER: US/09/930, 423
| CURRENT FILING DATE: 2001-08-15
| SOFTWARE: Patentin version 3.0
| SEQ. ID NO 186
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: McHebod and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-4 400/027
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 187
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Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Makeyagen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: MBHB00,918-A 400/027
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            628 GIGCICIGGGGGTGC 643
                                      2 GUGCUCCGGGCGCUGC 17
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Best Local Similarity 56.2
Matches 9; Conservative
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Best Local Similarity 56.2
Matches 9; Conservative
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US-09-930-423-186
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CORGANISM: Homo Sapiens
US-09-930-423-187
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors FILE REPERENCE: MBH800-958-1 (400/018)
CURRENT APPLICATION NUMBER: 18/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
SEQ ID NO 2292
LENGTH: 17
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Publication No. US20030073207A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
FITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-558-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
SEQ ID NO 2407
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Publication No. US20030073207A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
CURRENT PELING UNDER: US/09/848,754A
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SEQ ID NOS: 9645
SEQ ID NO 3191
LENGTH: 17
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.8%; Score 12.8; DB 1; Length 17; 75.0%; Pred. No. 3.9e+02; Live 2; Mismatches 2; Indels
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                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-09-848-754A-2407
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CORGANISM: Homo sapiens
US-09-848-754A-3191
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Best Local Similarity
Matches 11; Conserv
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US-09-848-754A-2407
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RESULT 449
US-09-930-423-561/c
; Sequence 561, Application US/09930423
Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                   481 GGACAGCTGCCATTGG 496
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                                                             16 GGACAGCTGCCTCTGG 1
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ORGANISM: Homo Sapiens
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US-09-930-423-803
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Sequence 312, Application US/09930423

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease FILE REFERENCE: BHBR00, 918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930, 423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0

SEQ ID NO 332
LENGTH: 17
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Fublication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease;
FILE REPERENCE: MBHB0, 218-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT PILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
LENGTH: 17
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
          CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
SEQ ID NO 302
LENGTH: 17
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Matches 14; Conservative
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; ORGANISM: Homo Sapiens
US-09-930-423-302
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ORGANISM: Homo Sapiens
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ORGANISM: Homo Sapiens
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Best Local Similarity
Matches 14; Conserv
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US-09-930-423-534/c
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RESULT 448
US-09-930-423-559/c
Sequence 559, Application US/09930423
; Sequence 559, Application US/09930423
; Publication No. US20030092003A1
; GENERAL INFORMATION:
; APPLICANT: Blatt, Larry
; APPLICANT: Blatt, Larry
; APPLICANT: McSwiggen, Jim
; TITLE OF INVENTION: McHod and Reagent for the Treatment of Alzheimer's Disease
; FILE REFERENCE: MHB00, 918-A 400/027
; CURRENT APPLICATION NUMBER: US/09/930,423
; CURRENT FILING DATE: 2001-08-15
; NUMBER OF SEQ ID NOS: 4553
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 559
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
TILLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REPERENCE: MBHB00, 918-4 400/027
CURRENT APPLICATION NUMBER: US/09/930, 423
CURRENT APPLICATION DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: Patentin version 3.0
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Publication No. US20030092003A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
IITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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Gaps

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Indels

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Mismatches
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US-09-780-164-634
Sequence 634, Application US/09780164
; Publication No. US20030092646A1
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                                                      1476 CTGCCAGGAGTGGTAC 1491
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SOFTWARE: PatentIn version 3.0
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 442
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         Matches 14; Conservative
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US-09-780-164-441
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US-09-780-164-442
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Best Local Similarity
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: BHBB00, 918-A 400/027
CURRENT APPLICATION NUMBER: 105/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1077
LENGTH: 17
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APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT APPLICATION NUMBER: 60/185,516
PRIOR APPLICATION NUMBER: 60/185,516
PRIOR FILING DATE: 2000-02-28
NUMBER OF SEQ ID NOS: 2603
SOFTWARE: PatentIn version 3.0
SEQ ID NO 65
LENGTH: 17
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FILE REFERENCE: MBHB00,918-A 400/027
CURRENT APPLICATION NUMBER: US/09/930,423
CURRENT FILING DATE: 2001-08-15
NUMBER OF SEQ ID NOS: 4553
SOFTWARE: PatentIn version 3.0
SEQ ID NO 803
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Publication No. US20030092646A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; Sequence 1077, Application US/09930423; Publication No. US20030092003A1; GENERAL INFORMATION:
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1 CUUCAUGCUGCCACUC 16
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2 UCUUCAUGCUGCCACU 17
                                                                                                                                                             ; TYPE: RNA
; ORGANISM: Homo Sapiens
US-09-930-423-803
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CORGANISM: Homo Sapiens
US-09-930-423-1077
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; ORGANISM: Homo sapiens
US-09-780-164-65
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Best Local Similarity
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Best Local Similarity
Matches 8; Conserv
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US-09-780-164-65/c
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18-09-780-164-441/c
| Sequence 441, Application US/09780164
| Publication No. US20030092646A1
| Publication No. US20030092646A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Blatt, Larry
| APPLICANT: Blatt, Larry
| APPLICANT: Blatt, Larry
| APPLICANT: Blatt, Larry
| APPLICANT: McSwiggen, Jim
| TITLE OF INVENTION: McHechod and Reagent for the Inhibition of CD20
| FILE REFERENCE: 400/010
| CURRENT PPLICATION NUMBER: US/09/780,164
| CURRENT FILING DATE: 2001-02-09
| PRIOR PLING DATE: 2000-02-28
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Publication No. US20030092646A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TILE OF INVENTION: McHod and Reagent for the Inhibition of CD20
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT APPLICATION NUMBER: 00/109
CURRENT FILING DATE: 2000-02-28
PRIOR FILING DATE: 2000-02-28
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gibbs026-3.rnpb

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Sequence 217, Application US/09827395A

Sequence 217, Application US/09827395A

Sequence 217, Application US. US20030113891A1

GENERAL INFORMATION:

APPLICANT: Riborayme Pharmaceuticals, Inc.

APPLICANT: James McSwiggen

APPLICANT: James McSwiggen

APPLICANT: MENDATA ChowTira

TITLE OF INVENTY APPLICATION Wethod and Reagent for the Inhibition of NOGO Receptor GF

FILE REFERENCE: MBHB00-878-C (400/017)

CURRENT FILING DATE: 2001-04-05

PRIOR APPLICATION NUMBER: 09/780,533

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 2617

SOFTWARE PATENTY OF SEQ ID NOS: 2617

SOFTWARE PATENTY OF SEQ ID NOS: 2617

SOFTWARE PATENTY OF SEQ ID NOS: 2617
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Sequence 376, Application US/09827395A

PUDIJICATION NO. US20030113891A1

GENERAL INFORMATION:
APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: James MCSWiggen
APPLICANT: James MCSWiggen
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Receptor Ge
FILE REPRESENCE: MBH800-978-C (400/017)
CURRENT PILING DATE: 2001-04-05
FRIOR PELICATION NUMBER: 09/780,533
FRIOR PILING DATE: 201-02-09
FRIOR PILING DATE: 2010-02-09
FRIOR FILING DATE: 2000-02-11
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87.5%; Pred. No. 3.9e+02;
ative 0; Mismatches 2;
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2;
CURRENT FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 09/780,533
PRIOR FILING DATE: 2001-02-09
PRIOR PELING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 2617
SEQ ID NO 216
LENGTH: 17
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Best Local Similarity 87.5'
Matches 14; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-09-827-395A-216
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                                                                                                                                                                                                                                       TYPE: RNA
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Fublication No. US20030113891A1

GENERAL INFORMATION:
APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: Dams McSwiggen
APPLICANT: Bharat Chowifre
CURRENT APPLICATION NUMBER: US/09/827,395A
CURRENT APPLICATION NUMBER: 09/780,533
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: Patentin Version 3.0
SEQ ID NO 214
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Publication No. US20030113891A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: Lawrence Blatt
APPLICANT: Bharat Chowxira
APPLICANT: Bharat Chowxira
APPLICANT: Bharat Chowxira
APPLICANT: Bharat CHOWYINA:
APPLICANT: BHAROL-878-C (400/017)
CURRENT APPLICATION NUMBER: US/09/827,395A
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                      APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Inhibition of CD20
FILE REFERENCE: 400/010
CURRENT APPLICATION NUMBER: US/09/780,164
CURRENT FILING DATE: 2001-02-09
PRIOR TILING DATE: 2000-02-28
NUMBER: OF SEQ ID NOS: 2603
SOFTWARE: Patentin version 3.0
SEQ ID NO 634
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43.8%; Pred. No. 3.9e+02;
tive 7; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 43.8%
Matches 7; Conservative
                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
CORGANISM: Homo sapiens
US-09-780-164-634
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ORGANISM: Homo sapiens
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US-09-827-395A-216/C
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GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Lawrence Blatt

APPLICANT: Jawrence Blatt

APPLICANTON: Method and Reagent for the Inhibition of NOGO Receptor Ge

FILE REFERENCE: MENBRO-878-C (400/017)

CURRENT APPLICATION NUMBER: 09/780,533

PRIOR FILING DATE: 2001-02-09

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 2617

SOFTWARE: Patentin version 3.0

SEQ ID NO 825

LENGTH: 17
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US-09-827-395A-946/C

Sequence 946, Application US/09827395A

Publication No. US20030113891A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: James McSwiggen

APPLICANT: James McSwiggen

APPLICANT: James McSwiggen

APPLICANT: Bharat Chowrira

TITLE OF INVENTY APPLICANTON: Wethod and Reagent for the Inhibition of NOGO Receptor GF

FILE REFERENCE: MBHB00-878-C (400/017)

CURRENT FILING DATE: 2001-04-05

PRIOR PRILING DATE: 2001-04-05

PRIOR PLICATION NUMBER: 06/180, 737

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 2617

NUMBER OF SEQ ID NOS: 2617

SEQ ID NO 946

INDICATION NO 946

SEQ ID NO 946

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                                                                                                                 Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.98+02; Matches 14; Conservative 0; Mismatches 2;
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Pred. No. 3.9e+02;
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          ORGANISM: Homo sapiens
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US-09-827-395A-825
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CORGANISM: Homo sapiens
US-09-827-395A-946
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Best Local Similarity
                     TYPE: RNA
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US-09-827-395A-699/C
Sequence 699, Application US/09827395A
Publication No. US20330113891A1
SEQUENCE 699, Application US/09827395A
PUBLICANT No. US20330113891A1
APPLICANT: Lawrence Blatt
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Manarat Chowiira
APPLICANT: MANARE: US/09/8127,395A
CURRENT APPLICATION NUMBER: US/09/827,395A
CURRENT APPLICATION NUMBER: 09/780,533
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR APPLICATION NUMBER: 60/181,797
SOFTWARE: PatentIn version 3.0
SEQ ID NO 699
LENGTH: 17
TYPE: RNA
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US-09-827-395A-619/C

Sequence 619, Application US/09827395A

Publication No. US20030113891A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Lawrence Blatt

APPLICANT: Bhazer Chowriza

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Receptor G

FILE REFERENCE: MBHB00-878-C (400/017)

CURRENT APPLICATION NUMBER: US/09/827,395A

CURRENT FILING DATE: 2001-04-05

PRIOR FILING DATE: 2001-04-05

PRIOR FILING DATE: 2000-02-11

NUMBER OF SEQ ID NOS: 2617

SEQ ID NO 619

LENGTH: 17
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NUMBER OF SEQ ID NOS: 2617
SOFTWARE: PatentIn version 3.0
SEQ ID NO 376
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                                                                                                                                         TYPE: RNA
CORGANISM: Homo sapiens
US-09-827-395A-376
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Homo sapiens
US-09-827-395A-619
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Matches
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Sequence 1899, Application US/09740332

Squence 1899, Application US/09740332

Publication No. US20030125270A1

GRNERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C virus Infection

TITLE OF INVENTION: Hepatitis C virus Infection

TITLE OF INVENTION: B1300/003

CURRENT APPLICATION NUMBER: US/09/740,332

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9704

SCOTWARR: PatentIn version 3.0

SEQ ID NO 1899

LENGTH: 17
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Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REPERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
                                                                                               Treatment of Diseases or Conditions Related
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Sequence 1376, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment
TITLE OF INVENTION: Hopatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT APPLICATION NUMBER: US/09/740,332
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1376
LENGTH: 17
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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US-09-740-332-632
US-09-740-332-632
Sequence 632, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Braymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION VUMBER: US/09/740,332
CURRENT APPLICATION VUMBER: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 632
LENGTH: 17
                                                                                                                                                               RESULT 464
US-09-740-332-435
US-09-740-332-435
Sequence 435, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: RPI 400/003
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
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50.0%; Pred. No. 3.9e+02;
tive 6; Mismatches 2; Indels
       Indels
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0.8%; Score 12.8; DB 1;
Best Local Similarity 68.8%; Pred. No. 3.9e+02;
Matches 11; Conservative 3; Mismatches 2;
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COTHER INFORMATION: oligonucleotide substrate
US-09-740-332-632
       Mismatches
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                                                     640 CTGCCGGTCCACGTGG 655
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ORGANISM: artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: artificial sequence
                                                                                     17 CTGCCGGTCCAGATGG 2
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Best Local Similarity 50.04
Matches 8; Conservative
       14; Conservative
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US-09-740-332-1376
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LENGTH: 17
       Matches
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Sequence 2423, Application US/09740332
Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2423
LENGTH: 17
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US-09-740-732-2650

JOS-09-740-732-2650

Sequence 2650, Application US/09740332

Sequence 2650, Application No. US20030125270A1

GENERAL INPORMATION:
FUB CONTROL RIDOZYME PHARMACHICALS INC.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26

MUMBER OF SEQ ID NOS: 9704

SOFTWARE: PatentIn version 3.0
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                                                                          Length 17;
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                                                                       Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 81.2%; Pred. No. 3.9e+02; Matches 13; Conservative 1; Mismatches 2;
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; OTHER INFORMATION: oligonucleotide substrate US-09-740-332-2132
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ORGANISM: artificial sequence
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NAME/KEY: misc_feature
LOCATION:
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Publication No. US20030125270A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C Virus Infection

CURRENT APPLICATION NUMBER: US/09/740,332

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9704

SOFTWARE PATENTIN VERSION 3.0

SEQ ID NO 2027
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Publication No. US20030125270A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/740,332
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SOFTWARE: Patentin version 3.0
SEQ ID NO 2132
LENGTH: 17
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                      SOFTWARE: PatentIn version 3.0
SEQ ID NO 1905
LENGTH: 17
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                                                                                              TYPE: RNA
ORGANISM: artificial sequence
PEATURE:
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NAME/KEY: misc_feature
LOCATION:
  NUMBER OF SEQ ID NOS:
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US-09-740-332-2132
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APPLICANT: McSwiggen, Jim
APPLICANT: Hamblin, Faul
APPLICANT: Hamblin, Faul
APPLICANT: Ellis, Jonathan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert
TITLE OF INVENTION: (SAILD) Gene
FILE REPERBNCE: MEHBOO. 901-A (400/013)
CURRENT APPLICATION NUMBER: US/09/792,818
NUMBER OF SEQ ID NOS: 2304
SOFTWARE: PatentIn version 3.0
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SOFTWARE: Patentin version 3.0
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TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Insert
TITLE OF INVENTION: (GRID) Gene
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62.5%; Pred. No. 3.9e+02;
tive 4; Mismatches 2;
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Best Local Similarity 62.5*; Pred. No. 3.9e+02;
Matches 10; Conservative 4; Mismatches 2;
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; Sequence 891, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Von Carlowitz, Ira
; APPLICANT: McSwiggen, Jim
; APPLICANT: Hamblin, Paul
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Publication No. US20030134806A1
GENERAL INFORMATION:
APPLICANT: Jarvis, Thale
APPLICANT: Von Carlowitz, Ira
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Best Local Similarity 62.51
Matches 10, Conservative
                                                                                                                                                                                                                                                                                                                                                             ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-792-818-243
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                                                                                                          Sequence 3179, Application US/09740332

Publication No. US20030125270A1

GRNERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

CURRENT APPLICATION NUMBER: US/09/740,332

CURRENT PILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9704

SEQ ID NO 3179

LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: WUMBER: US/09/740,332
CURRENT APPLICATION VUMBER: 2001-03-26
NUMBER OF SEQ ID NOS: 9704
SEQ ID NO 4120
LENGTH: 17
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i LOCATION:
corner.
US-09-740-332-4120
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Publication No. US20030125270A1
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US-09-792-818-243
Sequence 243, Application US/09792818
; Publication No. US20030134806A1
; GENERAL INFORMATION:
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ORGANISM: artificial sequence
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ORGANISM: artificial sequence
UCCUUGAGCACGUCCC 17
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NAME/KEY: misc_feature
                                                                             RESULT 473
US-09-740-332-3179/c
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Sequence 302, Application US/09745237A

Sequence 302, Application No. US20030143708A1

GENERAL INFORMATION:

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease;

TILE REFERENCE: 400/007 (MBHB00-918-A)

CURRENT APPLICATION NUMBER: US/09/745,237A

CURRENT FILING DATE: 2002-04-15

NOWBER OF SEQ ID NOS: 4550

SOFTWARE: Patentin version 3.0

SEQ ID NO 302

LENGTH: 17
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US-09-745-237A-187
US-09-745-237A-187
Sequence 1877, Application US/09745237A
Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribart, Larry
APPLICANT: McSwiggen, Jim
FILLE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILLE ADATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: Patentin version 3.0
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0.8%; Score 12.8; DB 1; Length 17; 56.2%; Pred. No. 3.9e+02; tive 5; Mismatches 2; Indels
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; Sequence 332, Application US/09745237A
; Publication No. US20030143708A1
; GENERAL INFORMATION:
                                                                                                 1039 GGCATCTTCATGCTGC 1054
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1 GCCUCUUCAUGCUGC 16
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                                                 9; Conservative
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Best Local Similarity 56.2
Matches 9; Conservative
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US-09-745-237A-187
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                      Best Local Similarity
Matches 9; Conserva
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US-09-745-237A-302
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  Query Match
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APPLICANT: Von Carlowitz, Ira
APPLICANT: Won Carlowitz, Ira
APPLICANT: Won Sanigaen, Jim
APPLICANT: Hamblin, Paul
APPLICANT: Hamblin, Paul
APPLICANT: His, Jonathan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Grb-2-related with Inser
TITLE OF INVENTION: (GRID) Gene
FILE REFERENCE: MBHB00-901-A (400/013)
CURRENT APPLICATION NUMBER: US/09/792,818
CURRENT APPLICATION NUMBER: US/09/792,818
NUMBER OF SEQ ID NOS: 2304
SOFTWARE: Patentin version 3.0
SEQ ID NO 893
LENGTH: 17
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US-09-745-237A-186

Sequence 186, Application US/09745237A

Publication No. US20030143708A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

CURRENT PAPLICANT: 000/007 (MBHB00-918-A)

CURRENT PILING DATE: 2002-04-15

NUMBER OF SEQ ID NOS: 4550

SOFTWARE: PatentIn version 3.0

SEQ ID NO 186

LENGTH: 17
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0.8%; Score 12.8; DB 1;
Best Local Similarity 81.2%; Pred. No. 3.9e+02;
Matches 13; Conservative 1; Mismatches 2;
       CURRENT APPLICATION NUMBER: US/09/792,818
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 2304
SOFTWARE: Patentin version 3.0
LENGTH: 17
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Publication No. US20030134806A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
FILE REFERENCE: MBHB00-901-A (400/013)
                                                                                                                                                                                                                                                                                                                                                                                        27 TCTGCAGAGGACAGAA 42
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                                                                                                                                                               TYPE: RNA
CORGANISM: Homo sapiens
US-09-792-818-891
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ORGANISM: Homo sapiens
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CORGANISM: Homo sapiens
US-09-745-237A-186
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87.5%; Pred. No. 3.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; Sequence 1077, Application US/09745237A ; Publication No. US20030143708A1 ; GENERAL INFORMATION:
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                                                                        198 GGCCATGCGGGAGGCT 213
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1 CUUCAUGCUGCCACUC 16
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Best Local Similarity 56.2
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14; Conservative
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Best Local Similarity
Matches 14; Conserv
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Best Local Similarity
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US-09-745-237A-561/c
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US-09-745-237A-1077
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US-09-745-2374-534/c
US-09-745-237A-534/c
Sequence 534, Application US/09745237A
Sequence 534, Application US/09745237A
Sequence 534, Application No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
STILE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT PELING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 534
LENGTH: 17
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US-09-745-237A-559/c
is Sequence 559, Application US/09745237A
is Sequence 559, Application US/09745237A
is Publication No. US20030143708A1
is GENERAL INFORMATION:
is APPLICANT: Blatt, Larx,
is APPLICANT: Blatt, Larx,
is APPLICANT: Blatt, Larx,
is APPLICANT: Blatt, Larx,
is APPLICANT: Method and Reagent for the Treatment of Alzheimer's Disease
is FILE REPRENENCE: 400/007 (MBHB00-918-A)
is CURRENT APPLICATION NUMBER: 2002-04-15
is CURRENT FILING DATE: 2002-04-15
is SEQ ID NOS: 4550
is SEQ ID NO 559
is SEQ ID NO 559
is SEQ ID NO 559
    APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FITLE REFERENCE: 400/007 (MBHB00-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: Patentin version 3.0
SEQ ID NO 332
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                   Length 17;
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                                                                                                                                                                                                                                                                                                               y Match 0.8%; Score 12.8; DB 1;
Local Similarity 87.5%; Pred. No. 3.9e+02;
hes 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481 GGACAGCTGCCATTGG 496
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CORGANISM: Homo sapiens
US-09-745-237A-534
                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
US-09-745-237A-332
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US-09-745-237A-559
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                                                                                                                                                                                                                                                                                                                   Query Match
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Matches
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Sequence 803, Application US/09745237A
Sequence 803, Application US/09745237A
Publication No. US20030143708A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (MBH800-918-A)
CURRENT APPLICATION NUMBER: US/09/745,237A
CURRENT FILING DATE: 2002-04-15
NUMBER OF SEQ ID NOS: 4550
SOFTWARE: PatentIn version 3.0
SEQ ID NO 803
LENGTH: 17
                                                                                                                                                                                                  Sequence 561, Application US/09745237A

Sequence 561, Application US/09745237A

Publication No. US20030143708A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent for the Treatment of Alzheimer's Disease
FILE REFERENCE: 400/007 (WBH300.918-A)

CURRENT APPLICATION NUMBER: US/09/745,237A

CURRENT FILING DATE: 2002-04-15

NUMBER OF SEQ ID NOS: 4550

SOFTWARE: PatentIn version 3.0

SEQ ID NO 561

LENGTH: 17
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87.5%; Pred. No. 3.9e+02;
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56.2%; Pred. No. 3.9e+02;
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gibbs026-3.rnpb

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0.8%; Score 12.8; DB 1;
68.8%; Pred. No. 3.9e+02;
tive 3; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LOCATION:
OTHER INFORMATION: oligonucleotide substrate
                                                                                                                                                                                                                                                                                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (oligonucleotide)
SEQUENCE DESCRIPTION: SEQ ID NO: 241:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 435, Application US/09817879; Publication No. US20030171311A1; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                INFORMATION FOR SEQ ID NO: 241:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                         TELEFAX: 415-576-0300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1157 CCTTCTCCAACTACTA 1172
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Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-510-378-241
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
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TILLE NESWIGGEN, Jim

TILLE OF INVENTION: Wethod and Reagent for the Treatment of Alzheimer's Disease;
FILE REFERENCE: 400/007 (MBHB00-918-A);
CURRENT APPLICATION NUMBER: 108/09/745,237A

NUMBER OF SEQ ID NOS: 4550

SOFTWARE: Patentin version 3.0

SEQ ID NO 1077

TYPE. T
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50.0%; Pred. No. 3.9e+02;
.ive 6; Mismatches 2; Indels
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TITLE OF INVENTION: Arrays of Nucleic Acid Probes for
Detecting Cystic Fibrosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: STEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
RILING DATE: 22-Peb-2000
CLASSIFICATION: <UNKnown>
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ADDRESSEE: Townsend and Townsend and Crew
STREET: Two Embarcadero Center, 8th Floor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Liebeschuetz, Joe
REGISTRATION NUMBER: 37,505
REFERENCE/DOCKET NUMBER: 018547-004130US
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-576-0200
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*PILING DATE: CURROWN:
APPLICATION NUMBER: 08/510,521

FILING DATE: 02-AUG-1995

APPLICATION NUMBER: PCT/US94/12305

FILING DATE: 26-CCT-1994

APPLICATION NUMBER: US 08/284,064

FILING DATE: 26-CCT-1994

APPLICATION NUMBER: US 08/143,312

ATTORNEY/AGENT: INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-510-378-241/C

Sequence 241, Application US/09510378

Publication No. US20030165823A1

GENERAL INFORMATION:

Myada, Charles Garrett

Hubbell, Earl A.

Chee, Mark

Fodor, Stephen P.A.

Huang, Xiaohua C.

Lipshutz, Robert J.

Libshutz, Robert J.

Libshutz, Robert J.

Lobban, Peter E.

Morris, Macdonald S.
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STATE: California
COUNTRY: USA
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Best Local Similarity 50.0
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Homo sapiens
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Sequence 632, Application US/09817879

Fublication No. US20030171311A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TILLE OF INVENTION:
FILE REFERENCE: MeHBOG-801-F

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT APPLICATION NUMBER: US/09/817,879

CURRENT PILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: Patentin version 3.0

SEQ ID NO 632

LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REPERENCE: MRH800-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
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Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Sequence 1905, Application US/09817879
Publication No. US20030171311A1
GRNERAL INFORMATION:
GRNERAL INFORMATION:
TITLE OF INVENTION: BIZZYMARIC Nucleic Acid Treatment of Diseases or Conditions Related TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1905
LENGTH: 17
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Publication No. U520030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REPERENCE: MBH800-801-F
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: Patentin version 3.0
SEQ ID NO 2027
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TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatcher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature
LOCATION:
// THER INCRNATION: oligonucleotide substrate
US-09-817-879-1905
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: oligonucleotide substrate US-09-817-879-2027
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Publication No. US20030171311A1
GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             265 TCCTTGAGCAGGACCC 280
                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: artificial sequence
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ORGANISM: artificial sequence
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                                                                                        US-09-817-879-1905/c
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RESULT 494
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Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Braymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Hepacitis C Virus Infection
TITLE OF INVENTION: Hepacitis C Virus Infection
FILE REFERENCE: MBH800-801-F
CURRENT APPLICATION UNDER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn Version 3.0
SEQ ID NO 1376
LENGTH: 17
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Publication No. US20030171311A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals Inc.

TITLE OF INVENTION: Brzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Hepatitis C Virus Infection

TITLE OF INVENTION: Hepatitis C Virus Infection

CURRENT APPLICATION WUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SOFTWARE: PatentIn version 3.0

SEQ ID NO 1899
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                                                             Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 50.0%; Pred. No. 3.9e+02; Matches 8; Conservative 6; Mismatches 2; Indels
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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ORGANISM: artificial sequence
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Matches 11; Conservative
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NAME/KEY: misc_feature
LOCATION:
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                     US-09-817-879-632
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Sequence 4120, Application US/09817879
Publication No. US20030171311A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals Inc.
APPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBHB00-801-F
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
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87.5%; Pred. No. 3.9e+02;
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Best Local Similarity 68.8%; Pred. No. 3.9e+02;
Matches 11; Conservative 3; Mismatches 2;
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
                                                   ; NAME/KEY: misc_feature
; LOCATION:
; JOHER INORMATION: oligonucleotide substrate
US-09-817-879-2650
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CTHER INFORMATION: oligonucleotide substrate
US-09-817-879-3179
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      ORGANISM: artificial sequence
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ORGANISM: artificial sequence
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Best Local Similarity
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LENGTH: 17
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Publication No. US20030171311A1

GENERAL INFORMATION:
BAPPLICANT: Ribozyme Pharmaceuticals Inc.
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
FILE REFERENCE: MBH800-801-F
CURRENT PAPLICATION NUMBER: US/09/817,879

CURRENT FILING DATE: 2001-03-26

NUMBER OF SEQ ID NOS: 9703

SEQ ID NO 2423

LENGTH: 17
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Publication No. US20030171311A1
Publication No. US20030171311A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
FILE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
TITLE OF INVENTION: Hepatitis C Virus Infection
CURRENT APPLICATION NUMBER: US/09/817,879
CURRENT FILING DATE: 2001-03-26
NUMBER OF SEQ ID NOS: 9703
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2650
IENGTH: 17
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
TITLE OF INVENTION: Hepatitis C virus Infection FILE REFERENCE: MBHB00-801-F CURRENT APPLICATION NUMBER: US/09/817,879 CURRENT FILING DATE: 2001-03-26 NUMBER OF SEQ ID NOS: 9703 SOFTWARE: PatentIn version 3.0 LENGTH: 17
                                                                                                                                                                                                                                                                                              OTHER INFORMATION: oligonucleotide substrate
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ORGANISM: artificial sequence
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ORGANISM: artificial sequence
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NAME/KEY: misc_feature
LOCATION:
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TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
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| Publication No. US20030032154A1
| GENERAL INFORMATION:
| APPLICANT: Gu. Yizhong
| APPLICANT: Gu.Yizhong
| TITLE OF INVENTION: HUMAN LCCL DOMAN CONTAINING PROTEIN
| TILE REFERENCE: PB0169
| CURRENT APPLICATION NUMBER: US/10/066,830
| CURRENT FILING DATE: 2002-01-30
| PRIOR APPLICATION NUMBER: PCT/US01/00667
| PRIOR FILING DATE: 2001-01-30
| PRIOR PLICATION NUMBER: PCT/US01/00669
| PRIOR FILING DATE: 2001-01-30
| PRIOR PLICATION NUMBER: PCT/US01/00668
| PRIOR APPLICATION NUMBER: PCT/US01/00668
| PRIOR FILING DATE: 2001-01-30
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2;
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR FILING DATE: 2001-02-23
PRIOR APPLICATION NUMBER: US 60/325,062
PRIOR PILING DATE: 2001-09-25
NUMBER OF SEQ ID NOS: 1123
SEQ ID NO 301
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                                                                                                                                                                                                                                                                                                                                                     TYPE: DNA
ORGANISM: Homo sapiens
US-10-060-830-301
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US-10-060-830-302
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US-10-060-830-302/c
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JAPPLICANT: NGUY YIZHONG

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                          Indels
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US-10-060-830-138
Sequence 138, Application US/10060830
Publication No. US20030032154A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Nguyen, Cung-Tuong
TITLE OF INKENTION: Huwan LCCL DOMAN CONTAINING PROTEIN
FILE REPERENCE: PB0169
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                          Mismatches
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CURRENT PELING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: CUT/USO1/0667

PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-09-25

NUMBER OF SEQ ID NOS: 1123

SOFTWARE: Acomica Sequence Listing Engine

SEQ ID NO 138
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                                                                                               1079 ATTGCTGGCTCAACGC 1094
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                          Matches 14; Conservative
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ORGANISM: Homo sapiens
US-10-060-830-138
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Matches 14; Conserve
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US-10-060-830-301/c
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US-10-060-895A-193/c
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TITLE OF INVENTION: HUMAN TESTIS EXPRESSED PATCHED LIKE PROTEIN
FILE REFERENCE: PB0177
CURRENT APPLICATION NUMBER: US/10/060,756A
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00669
PRIOR PLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLILNG DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLILNG DATE: 2001-05-23
PRIOR PLILNG DATE: 2001-05-20
PRIOR PLILNG DATE: 2001-05-20
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PRIOR PLILNG DATE: 2001-05-20
PRIOR PLING DATE: 2001-05-20
PRIOR PLILNG DATE: 2001-05-20
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
TILE KEFERANCE: FULLY
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: US/10/066/7
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
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Best Local Similarity 87.5
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-060-756A-581
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; ORGANISM: Homo sapiens
US-10-060-756A-582
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APPLICANT: Zhang, Jian
APPLICANT: Zhang, Jian
APPLICANT: Zhang, Jian
APPLICANT: Gu, Yizhong
APPLICANT: Gu, Yizhong
APPLICANT: Mayen, Cung-Tucng
ITLE OF INVENTION: HUMAN UDP-CALNAC:POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 10
FILE REFREENCE: PRO158
CURRENT APPLICATION NUMBER: US/10/0666
PRIOR APPLICATION NUMBER: US/10/0666
PRIOR FILING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0666
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0663
PRIOR PLILING DATE: 2001-01-30
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Sequence 194, Application US/10060895A
Publication No. US20030104403A1
GENERAL INFORMATION:
APPLICANT: Out. Yizhong
APPLICANT: Out. HUMAN UDP-GALNAC: POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 10
FILE REFERENCE: PRO158
CURRENT APPLICATION NUMBER: US/10/666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                               Sequence 193, Application US/10060895A Publication No. US20030104403A1 GENERAL INFORMATION:
1310 TCTTCTGCTTCGTCCT 1325
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US-10-060-895A-193
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APPLICANT: Zhang, Jian
APPLICANT: Cau, Yizhang
APPLICANT: Mayen, Cung-Tuong
FILE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 10
FILE OF INVENTION: HUMAN UDP-GALNAC:POLYPEPTIDE N-ACETYLGALACTOSAMINYLTRANSFERASE 10
FILE OF INVENTION: POLYBER: US/10/0666
PRIOR APPLICATION NUMBER: PCT/US01/0666
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0666
PRIOR APPLICATION NUMBER: PCT/US01/0667
PRIOR PLILNG DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 09/864, 761
PRIOR APPLICATION NUMBER: US 09/364, 761
PRIOR APPLICATION NUMBER: US 00/315, 984
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: US 00/315, 984
PRIOR FILING DATE: 2001-01-30
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(BORRAL INFORMATION:
TILLS OF INVENTION:
FILE REFERENCE:
FILE REFERENCE:
FOURTH APPLICATION NUMBER: US/10/060,998

CURRENT FILING DATE: 2002-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-23

FILING DATE: 2001-01-23

NUMBER OF SEQ ID NOS: 3056
   Gaps
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Pred. No. 3.9e+02;
0; Mismatches 2;
   Mismatches
                                                                                                                                                                                                                                                          Sequence 222, Application US/10060895A Publication No. US20030104403A1 GENERAL INFORMATION:
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                                                          627 GGTGCTCTGCGCGCTG 642
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Best Local Similarity 87.55
Matches 14; Conservative
Conservative
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   14;
Matches
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3.9e+02;
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PRIOR FILING DATE: 2002-06-10
PRIOR APPLICATION NUMBER: UCT/USO1/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/USO1/00669
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: US 60/315,984
PRIOR PILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 1682
SOOFWARE: Asomica Sequence Listing Engine
SEQ ID NO 220
                                                 PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-030
PRIOR PILING DATE: 2001-030
PRIOR PILING DATE: 2001-08-30
NUMBER OF SEQ ID NOS: 1682
SEQ ID NO 194
LENGTH: 17
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Pred. No. 3.
                              LING DATE: 2001-01-30
PPLICATION NUMBER: PCT/US01/00665
LING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00669
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Best Local Similarity 87.5%;
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-060-895A-194
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; ORGANISM: Homo sapiens
US-10-060-895A-220
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Best Local Similarity
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18-10-156-306-67
Sequence 67, Application US/10156306
Sublication No. US20030119017A1
Fublication No. US20030119017A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related:
TITLE OF INVENTION: Levels of IKK-Camma and PKR
FILE REFERENCE: MBHB01-664-A (400/050)
CURRENT APPLICANTION NUMBER: US/10/156,306
CURRENT PRILING DATE: 2002-05-28
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REFERENCE: MEHBOL-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
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                                                          Sequence 3, Application US/10081646

Publication No. US20030108884A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
FURTILE OF INVENTION:
FULE REFERENCE: 37921-2

CURRENT APPLICATON NUMBER: US/10/081,646

CURRENT FILING DATE: 2002-02-22

PRIOR PAPLICATION NUMBER: US 60/316,308

PRIOR PLICING DATE: 2001-08-31

NUMBER: OF SEQ ID NOS: 26

SOFTWARE: FastSEQ for Windows Version 4.0
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; Publication No. US20030119017A1
; GENERAL INFORMATION:
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US-10-156-306-67
                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Unknown
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                                           US-10-081-646-3
                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 3
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: DNA
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| Publication No. US2003105051A1
| Publication No. US2003105051A1
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: McSaviggen, Jim
| TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level;
| TITLE OF INVENTION: HER2
| FILE REFERENCE: MBH01-1653-A (400/014)
| CURRENT FILING DATE: 2002-06-06
| NUMBER OF SEQ ID NOS: 1997
| SEQ ID NO 653
| SEQ ID NO 653
| LENGER: PatentIn version 3.0
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Bublication No. 1020030105051A1

GENERAL INPORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSaviggen, Jim
TITLE OF INVENTION: Nucleic acid treatment of diseases or conditions related to level
TITLE OF INVENTION: HERZ
CURRENT FILING DATE: 2002-06-06
NUMBER OF SEQ ID NOS: 1997
SOFTWARE: PatentIn version 3.0
SEQ ID NO 640
LENGTH: 17
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                                                                                                                                                             Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 12.8; DB 1; Length 17; 68.8%; Pred. No. 3.9e+02;
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SOFTWARE: Aeomica Sequence Listing Engine
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Matches 11; Conservative
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CORGANISM: Homo sapiens
US-10-163-552-653
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; ORGANISM: Homo sapiens
US-10-163-552-640
                                                                    TYPE: DNA
CORGANISM: Homo sapiens
US-10-060-998-116
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US-10-163-552-653
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                    SEQ ID NO 116
LENGTH: 17
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                                                  LENGTH:
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Wis-10-156-306-6984

Sequence 6984, Application US/10156306

Sequence 6984, Application US/20030119017A1

Sequence 6984, Application No. US20030119017A1

Sequence 6984, Application No. US20030119017A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Related

TITLE OF INVENTION: Levels of IKK-Gamma and PKR

FILE REPERENCE: MBHB01-664-A (400/050)

CURRENT APPLICANTION NUMBER: US/10/156,306

CURRENT APPLICANTION NUMBER: US/10/156,306

NUMBER OF SEQ ID NOS: 8013

SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 51, Application US/10238700
Publication No. US20030153521A1
Publication No. US20030153521A1
RUBERALI INFORMATION:
APPLICANT: McSwiggen, James
APPLICANTON NUMBER: US/10/238,700
CURRENT APPLICATION NUMBER: US/10/238,700
CURRENT APPLICATION NUMBER: US/10/238,700
PRIOR FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 4666
SOFTWARE: PatentIn Version 3.0
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APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels
FILE REFERENCE: 400/057 (MBHB01-1158-A)
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0.8%; Score 12.8; DB 1;
Best Local Similarity 75.0%; Pred. No. 3.9e+02;
Matches 12; Conservative 2; Mismatches 2;
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2;
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     2 GAUAAGCUGAAGGAGG 17
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Best Local Similarity 87.5'
Matches 14; Conservative
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US-10-238-700-51
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US-10-156-306-6984
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US-10-238-700-2939/c
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                                                                                   RESULT 517
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Publication No. US20030119017A1
Sequence 2875. Application US/20030119017A1
SEQUENCE INCOMPATION:
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of IKK-Gamma and PKR
FILE REPERENCE: MBHB01-664-A (400/050)
CURRENT APPLICATION NUMBER: US/10/156,306
CURRENT APPLICATION NUMBER: US/10/156,306
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
SEQ ID NOS: 8035
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Publication No. US20030119017A1
Sequence 4977, Application US/10156306
Publication No. US20030119017A1
APPLICANT: RIDOZYME Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: USVGEN OF INVENTION: USPRING NUMBER OF SEQ ID NOS: 8013
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4977
LENGTH: 17
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                                                                                                                                                                                                                                                                                                        Indels
                                                                                                                                                                                                                                             Query Match

0.8%; Score 12.8; DB 1;
Best Local Similarity 37.5%; Pred. No. 3.9e+02;
Matches 6; Conservative 8; Mismatches 2;
     2002-05-28
8013
                                                                                                                                                                                                                                                                                                                                                           1066 TITGCCTTCCTCCATT 1081
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CURRENT FILING DATE: 2002-05-2
NUMBER OF SEQ ID NOS: 8013
SOFTWARE: Patentin version 3.0
SEQ ID NO 68
LENGTH: 17
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CORGANISM: Homo sapiens
US-10-156-306-68
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ORGANISM: Homo sapiens
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) ORGANISM: Homo sapiens
US-10-156-306-4977
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US-10-156-306-2875
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US-10-156-306-4977
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Sequence 109, Application US/10061201
Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
ITILE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00665
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR APPLICATION NUMBER: PCT/USO1/00670
PRIOR PRILING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-05-23
PRIOR PLLING DATE: 2001-05-23
PRIOR PLLING DATE: 2001-05-23
PRIOR PLLING DATE: 2001-05-3
PRIOR PLLING DATE: 2001-05-3
PRIOR PLLING DATE: 2001-05-3
PRIOR PLLING DATE: 2001-05-3
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CORGANISM: Homo sapiens
US-10-061-201-108
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US-10-061-201-109
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US-10-238-700-3394/c

Sequence 3394, Application US/10238700

Publication No. US20030153521A1

GENERAL INFORMATION

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level

FILE REPRENCE: 400/657 (MBH801-1158-A)

CURRENT APPLICATION NUMBER: US/10/238,700

CURRENT PILING DATE: 2002-09-18

PRIOR FILING DATE: 2002-05-29

PRIOR APPLICATION NUMBER: EQ6/318,471

PRIOR PILING DATE: 2001-09-10

NUMBER OF SEQ ID NOS: 4666

SOUTHARD PLING DATE: 2001-09-10

NUMBER OF SEQ ID NOS: 4666

SOUTHARD SEQ ID NOS: 4666

SOUTHARD SEQ ID NO 3394
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Sequence 108, Application US/10061201

Publication No. US20030166229A1

GENERAL INFORMATION:
APPLICANT: Shannon, Mark
ITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201

CURRENT FILING DATE: 2002-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
                                        CURRENT FILING DATE: 2002-09-18
PRIOR APPLICATION NUMBER: PCT/US 02/16840
PRIOR PILING DATE: 2002-05-29
PRIOR PILING DATE: 2001-09-10
PRIOR PILING DATE: 2001-09-10
NUMBER OF SEQ ID NOS: 466
SOFTWARE: Patentin version 3.0
LENGTH: 17
             CURRENT APPLICATION NUMBER: US/10/238,700
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; ORGANISM: Homo sapiens
US-10-238-700-2939
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CORGANISM: Homo sapiens
US-10-238-700-3394
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Length 17;
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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Publication No. US20030166229A1

GENERAL INFORMATION:

APPLICANT: Shannon, Mark

TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN I

FILE REFERENCE: PB0178

CURRENT APPLICATION NUMBER: US/10/061,201

CURRENT PILING DATE: 2002-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00670
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-05-23
PRIOR PLING DATE: 2001-05-23
PRIOR FILING DATE: 2001-10-10
NUMBER: OF SEQ ID NOS: 4162
SEQ ID NO 423
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COGGANISM: Homo sapiens
US-10-061-201-1521
                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-061-201-423
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US-10-061-201-1523
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                           RESULT 523
US-10-061-201-421
Sequence 421, Application US/10061201
Fublication No. US20030166229A1
GENERAL INFORMATION.
FUBLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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Publication No. US20030166229A1
GENERAL INFORMATION:
APPLICANT: Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
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CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00664
PRIOR PLILNG DATE: 2001-01-30
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           16 CTCAGCCCCCTCCTCC
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CORGANISM: Homo sapiens
US-10-061-201-421
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Sequence 11, Application US/10339793

Publication No. US20030180764A1

GENERAL INFORMATION:
APPLICANT: Lynx Therapeutics, Inc.
APPLICANT: Bowen, Benjamin
TITLE REPERENCE: 37-000310US
FILE REPERENCE: 37-000310US
CURRENT APPLICATION NUMBER: US/10/339,793
CURRENT PILING DATE: 2003-01-08
NUMBER OF SEQ ID NOS: 443
SOFTWARE: Patentin version 3.1
SEQ ID NO 11
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                                                                                                                                                                                                                APPLICANT: BOX, Neil F
APPLICANT: BOX, Neil F
APPLICANT: BOX, Neil F
APPLICANT: Box Neil F
APPLICANT: Martin, Nicholas K
APPLICANT: Sturm, Richard A
APPLICANT: Sturm, Richard A
APPLICANT: Gruis, Neileke A
APPLICANT: Bergman, Wilma
APPLICANT: Frants, Rune R
TITLE OF INVENTION: MELANOWA RISK DETECTION FILE REFERENCE: 8795-27U1
CURRENT APPLICATION NUMBER: US/10/108,732
CURRENT FILING DATE: 2002-03-28
PRIOR APPLICATION NUMBER: US 60/279,515
PRIOR FILING DATE: 2001-03-28
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: CDKN2A Exon 2 probe US-10-108-732-28
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US-10-230-006-721
; Sequence 721, Application US/10230006
                                                                                                                            Sequence 28, Application US/10108732
Publication No. US20030175721A1
GENERAL INFORMATION:
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SOFWARE: Patentin version 3.1
SEQ ID NO 28
LENCTH: 17
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US-10-339-793-11
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Publication No. US20030170700A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Lynx Therapeutics, Inc.
APPLICANT: Shang, Jin
APPLICANT: Bowen, Benjamin A
TITLE OF INVENTION: THEREOF
TITLE OF INVENTION: THEREOF
FILE REFERENCE: 37-000610US
CURRENT APPLICATION NUMBER: US/10/340,192
CURRENT APPLICATION NUMBER: US/10/340,192
CURRENT PILING DATE: 2003-01-08
NUMBER OF SEQ ID NOS: 88
SOFTWARE: Patentin version 3.1
SEQ ID NO 84
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                    Sequence 123, Application 05/1001201

GENERAL INFORMATION:
APPLICANT Shannon, Mark
TITLE OF INVENTION: HUMAN POSH-LIKE PROTEIN 1
FILE REFERENCE: PB0178
CURRENT APPLICATION NUMBER: US/10/061,201
CURRENT FILING DATE: 2002-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR APPLICATION NUMBER: US 09/864,761
PRIOR APPLICATION NUMBER: US 00/328,205
PRIOR APPLICATION NUMBER: US 09/864,761
Sequence 1523, Application US/10061201
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Matches 14; Conservative
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CORGANISM: Homo sapiens
US-10-061-201-1523
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CORGANISM: Homo sapiens
US-10-340-192-84
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APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Bharat Chowrira
APPLICANTON: Wethod and Reagent for the Inhibition of NOGO Receptor Gf
FILE REFERENCE: MBHB00-879-14 (400/112)
CURRENT PAPLICATION NUMBER: 09/827,395
PRIOR PLING DATE: 2001-04-05
PRIOR PLING DATE: 2001-04-05
PRIOR PLING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR PLING DATE: 2000-02-11
PRIOR PLING DATE: 2000-02-11
PRIOR PILING DATE: 2002-04-03
PRIOR PILING DATE: 2002-04-03
PRIOR PILING DATE: 2002-04-03
PRIOR PILING DATE: 2002-04-03
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                                                                                                                                                                                                           Query Match
0.8%; Score 12.8; DB 1;
Best Local Similarity 75.0%; Pred. No. 3.9e+02;
Matches 12; Conservative 2; Mismatches 2;
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Pred. No. 3.9e+02;
0; Mismatches 2;
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Bublication No. US20030191077A1

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Rosnaudh, Kathy
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
FILE REPERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT FILING DATE: 2002-11-18
FRIOR APPLICATION NUMBER: US 60/315,315
FRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 2678
SOFTWARE: Patentin Version 3.0
SEQ ID NO 2221
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                           SOFTWARE: Patentin version 3.0
SEQ ID NO 2184
LENGTH: 17
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Best Local Similarity 87.5<sup>3</sup>
Matches 14; Conservative
     NUMBER OF SEQ ID NOS: 2678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-2221
                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-230-006-2184
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US-10-230-006-2221/c
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                                                                        APPLICANT: FOSMAUGH, KATHY
APPLICANT: MCSWiggen, Jim
TITLE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIFILE REFERENCE: 400/056 (MBHB01-1110)
FILE REFERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
PRIOR FILING DATE: 2001-08-28
SOFTWARE: PALCHIN NUMBER: US 60/315,315
RIOR FILING DATE: 2001-08-28
SOFTWARE: PALCHIN VERSION 3.0
SEQ ID NO 721
LENGTH: 17
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APPLICANT: FOSTINGH, KALMY
APPLICANT: MCSWiggen, Jim
TITLE OF INVENTION: METHOD METHOD PROFILE TREATMENT OF ASTHMA AND ALLERGIC CONDI
FILE REFERENCE: 400/056 (WBHB0J-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT FILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
NUMBER OF SEQ ID NOS: 2678
SOFTWARE: PATENTIN VEXBION 3.0
SEQ ID NO 814
LENGTH: 17
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Publication No. US20030191077A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Resnaugh, Kathy
APPLICANT: McSwiggen, Jim
TILE OF INVENTION: METHOD AND REAGENT FOR THE TREATMENT OF ASTHMA AND ALLERGIC CONDIFILE REFERENCE: 400/056 (MBHB01-1110)
CURRENT APPLICATION NUMBER: US/10/230,006
CURRENT PILING DATE: 2002-11-18
PRIOR APPLICATION NUMBER: US 60/315,315
PRIOR FILING DATE: 2001-08-28
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Publication No. US20030191077A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-230-006-814
; Sequence 814, Application US/10230006
; Publication No. US20030191077A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          637 GCGCTGCCGGTCCACG 652
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-230-006-721
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; ORGANISM: Homo sapiens
US-10-230-006-814
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Matches 12; Conserv
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GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Lawrence Blatt

APPLICANT: Lawrence Blatt

APPLICANT: James McSwiggen

APPLICANT: Dareat Chowira

APPLICANT: Dareat Chowira

APPLICANT: Bharat Chowira

APPLICANT: Dareat Chowira

CURRENT APPLICATION NUMBER: US/10/430,882

CURRENT FILING DATE: 2001-04-05

PRIOR FILING DATE: 2001-02-09

PRIOR PELING DATE: 2001-02-09

PRIOR PELING DATE: 2000-02-01

PRIOR FILING DATE: 2000-02-01

PRIOR FILING DATE: 2000-02-01

PRIOR FILING DATE: 2000-02-04-03

NUMBER OF SEQ ID NOS: 2617

SOFTWARE: Patentin version 3.0

SEQ ID NO 376

LENGTH: 17
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
PRIOR APPLICATION NUMBER: 09/780,533
PRIOR FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: ECT/USO1/04273
PRIOR PELING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR APPLICATION NUMBER: PCT/USO2/10512
PRIOR PILING DATE: 2002-04-03
PRIOR FILING DATE: 2002-04-03
PRIOR FILING DATE: 2002-04-03
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: PatentIn version 3.0
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APPLICANT: Ribozyme Pharmaceuticals, Inc.; APPLICANT: Lawrence Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 376, Application US/10430882 Publication No. US20030203870A1 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              16 gcggccchggccgrgg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14; Conservative
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Best Local Similarity 87.5
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA; ORGANISM: Homo sapiens US-10-430-882-217
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Similarity
Matches 14; Conserv
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LENGTH: 17
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APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: James McSwiggen
APPLICANT: Bhazat Chowitza
APPLICANT: Bratat Chowitza
APPLICANT: Bratat Chowitza
APPLICANT: Peter Habberli
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
FILE REFERENCE: MBHB00-878-H (400/112)
CURRENT APPLICATION NUMBER: US/10/430,882
CURRENT FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 09/827,395
PRIOR PELING DATE: 2001-04-05
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-04-03
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: PatentIn version 3.0
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APPLICANT: James McSwiggen
APPLICANT: Bharat Chowrira
APPLICANT: Brack Chowrira
APPLICANT: Brack Chowrira
APPLICANT: Brack Chowrira
APPLICANT: Brack Chowrira
APPLICANTION: McHod and Reagent for the Inhibition of NOGO and NOGO Receptor (FILE REFERENCE: MBHB00-878-H (400/112)
CURRENT APPLICATION NUMBER: US/10/430,882
CURRENT FILING DATE: 2003-05-06
PRIOR APPLICATION NUMBER: 09/827,395
PRIOR FILING DATE: 2001-04-05
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                                                                                                                                                                                        0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 3.9e+02; tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 216, Application US/10430882; Publication No. US20030203870A1; GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 217, Application US/10430882
Publication No. US20030203870A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Lawrence Blatt
                                                                                                                                                                                                                                                                                                    907 CAGGCCCTGGGATGTG 922
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  SOFTWARE: PatentIn version 3.0
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Matches 14; Conservative
                                                                                  ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-430-882-214
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ORGANISM: Homo sapiens
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                            SEQ ID NO 214
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Sequence 825, Application US/10430882

Sequence 825, Application WS/10430882

Sequence 825, Application WS/10430882

Sequence 825, Application WS/1030303870A1

SEQUENCE WS/1040 WS/10430A1

SEQUENCE WS/1040 WS/10430A1

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Bharat Chowrira

APPLICANT: Berer Haeber 1

APPLICANT: Berer Haeber 1

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Receptor GF

FILE REFERENCE: MBHB00-878-H (400/112)

CURRENT FILING DATE: 2003-05-06

PRIOR APPLICATION NUMBER: 09/827,395

PRIOR APPLICATION NUMBER: 09/827,395

PRIOR PLING DATE: 2001-04-05

PRIOR PLING DATE: 2001-02-09

PRIOR PLING DATE: 2000-02-11

PRIOR PLING DATE: 2000
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APPLICANT: Deter Habberli
APPLICANT: Bharat Chowrira
APPLICANT: Bharat Chowrira
APPLICANT: Bharat Chowrira
APPLICANT: Beter Habberli
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO Receptor GF
FILE REPERENCE: MBHBOG-878-H (400/112)
CURRENT APPLICATION NUMBER: US/10/430,882
CURRENT APPLICATION NUMBER: 09/827,395
PRIOR PELING DATE: 2001-04-05
PRIOR PELING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR PELING DATE: 2000-02-11
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Publication No. US20030203870A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               640 CTGCCGGTCCACGTGG 655
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-10-430-882-825
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ORGANISM: Homo sapiens
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US-10-430-882-946/c
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APPLICANT: peter Haeber11:

TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
FILE REFRENCE: Method and Reagent for the Inhibition of NOGO and NOGO Receptor G
FILE REFRENCE: Method and Reagent for the Inhibition of NOGO and NOGO RECEPTOR FILE REFRENCE: Method NUMBER: US/10/430,882
CURRENT APPLICATION NUMBER: 09/827,395
PRIOR FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-04-05
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-04-03
NUMBER OF SEQ ID NOS: 2617
SSOFIUM OF 019
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APPLICANT: Bharat Chowins
APPLICANT: Bharat Chowins
TITLE OF INVENTION: Method and Reagent for the Inhibition of NOGO and NOGO Receptor
FILE REPERSIVE: MBHB00-878-H (400/112)
CURRENT APPLICATION NUMBER: US/10/430,882
CURRENT PILING DATE: 2003-05-06
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Pred. No. 3.9e+02;
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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PRIOR FILING DATE: 2001-04-05
PRIOR APPLICATION NUMBER: 09/780,533
PRIOR APPLICATION NUMBER: 09/780,533
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2001-02-09
PRIOR FILING DATE: 2000-02-11
PRIOR APPLICATION NUMBER: 60/181,797
PRIOR PILING DATE: 2000-02-11
PRIOR FILING DATE: 2002-04-03
PRIOR FILING DATE: 2002-04-03
NUMBER OF SEQ ID NOS: 2617
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 699
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Publication No. US20030203870A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Lawrence Blatt
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Best Local Similarity 87.5%; Pr
Matches 14; Conservative 0;
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; ORGANISM: Homo sapiens
US-10-430-882-619
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CORGANISM: Homo sapiens
US-10-430-882-699
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; Sequence 725, Application US/10297068
; Publication No. US2030228585A1
; GENERAL INFORMATION:
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: INOKO, Hidetoshi
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: Matsumura, Yoshiyuki
; APPLICANT: MISHIDA, Michio
; TITLE OF INVENTY, Shogo
; TITLE OF INVENTYON: KIT AND METHOD FOR DETERMINING HLA TYPES
; FILE REPERBNCE: 1314072174
; CURRENT FILING DATE: 2002-11-27
; PRIOR PILING DATE: 2002-11-27
; PRIOR PLILING DATE: 2006-01
; NUMBER OF SEQ ID NOS: 1298
; SOFTWARE: PATENTIN VET: 2.1
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APPLICANT: INCORO, Hidetoshi
APPLICANT: KAGIXA, Taeko

APPLICANT: KAGIXA, Taeko

APPLICANT: MATSHUMA, Tashuo
APPLICANT: MATSHUMA, Tashuo

APPLICANT: MORIYA, Shogo

APPLICANT: MORIYA, Shogo

TITLE OF INVENTION: KIT AND METHOD FOR DETERMINING HLA TYPES

FILE REFERENCE: 1314OP1174

CURRENT FLIING DATE: 2002-11-27

PRIOR APPLICATION NUMBER: US-10200-164798

FRIOR FILING DATE: 2000-06-01

NUMBER OF SEQ ID NOS: 1298

SOFTWARE: PATCHILIN VET: 2.1

SEQ ID NOS: 1298
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; OTHER INFORMATION: Description of Artificial Sequence:capture
US-10-297-068-212
                                                                                                                                                                                                                                                                                                               0.8%; Score 12.8; DB 1; Length 17;
ilarity 87.5%; Pred. No. 3.9e+02;
Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 212, Application US/10297068
Publication No. US20030228585A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1399 CAGCGCACCGGCCCGG 1414
                             NUMBER OF SEQ ID NOS: 4385
SOFTWARE: Friedman macro Napro4
SEQ ID NO 1420
LENGTH: 17
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                                                                                                                                                                                                           ; ORGANISM: Homo sapiens
US-10-209-787-1420
                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                 TYPE: DNA
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Sequence 1419, Application US/10209787

Publication No. US2003021737A1

Sembral INFORMATION:

APPLICANT: Kmiec, Eric B.

APPLICANT: Gamper, Howard B.

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

FILLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

FILLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

FILLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

FILLE OF INVENTION: Servanded Oligonucleotides

FILLE OF INVENTION: Servanded Oligonucleotides

FRIOR FILLING DATE: 2001-03-27

FRIOR APPLICATION NUMBER: US 60/192,179

FRIOR FILLING DATE: 2000-03-27

FRIOR APPLICATION NUMBER: US 60/208,538

FRIOR FILING DATE: 2000-06-01

FRIOR APPLICATION NUMBER: US 60/244,989

FRIOR APPLICATION NUMBER: US 60/244,989

FRIOR FILING DATE: 2000-06-01

FRIOR APPLICATION NUMBER: US 60/244,989

FRIOR FILING DATE: 2000-06-01

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FRIOR FILING DATE: 2000-06-01

FRIOR APPLICATION NUMBER: US 60/244,989

FRIOR FILING DATE: 2000-06-01

FRIOR APPLICATION NUMBER: US 60/244,989

FRIOR FILING DATE: 2000-06-01

FRIOR APPLICATION NUMBER: US 60/244,989
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Sequence 1420, Application US/10209787

Sequence 1420, Application US/10209787

Sequence 1420, US2003021737741

Sequence 1420, US2003021737741

Sequence 1420, US2003021737741

Sequence 1420, US2003021737741

Sequence, US2003021737741

Sequence, US2003021737741

Sequence, US200302177741

Sequence, Michael C.

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single TITLE OF INVENTION: Stranded Oligonucleotides

FILE OF INVENTION: UNMBER: US 60/192,176

FRIOR FILING DATE: 2000-03-27

FRIOR APPLICATION NUMBER: US 60/208,538

FRIOR FILING DATE: 2000-06-21

FRIOR APPLICATION NUMBER: US 60/204,989
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                                                                  Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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ORGANISM: Homo sapiens
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US-10-430-882-946
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Sequence 1, Application US/10393075
Publication No. US20040002094a1
GENERAL INFORMATION:
APPLICANT: LAROSSA A, ROBERT
TITLE OF INVENTION: A METHOD FOR HIGH-DENSITY MICROARRAY MEDIATED GENE
TITLE OF INVENTION: EXPRESSION PROFILING
TITLE OF INVENTION: EXPRESSION PROFILING
FILE REFERENCE: BC10.25 US NA
CURRENT APPLICATION NUMBER: US/10/393,075
CURRENT PILING DATE: 2003-03-20
FRIOR FILING DATE: 2003-10-11
PRIOR FILING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 2
SOFTWARE: MICROSOFT Office 97
SEQ ID NO 1
LENGTH: 17
                                                                                                                                                                                                                                                   Sequence 446, Application US/10300683
Fublication No. US20030235834A1
GENERAL INFORMATION:
APPLICANT: Dunlop, Charles L.M.
APPLICANT: Weisel, James M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS
FILE REPERENCE: CHARDUN.010A
CURRENT APPLICATION NUMBER: US/10/300,683
CURRENT FILING DATE: 2002-11-19
PRIOR FILING DATE: 201-11-19
PRIOR FILING DATE: 201-11-19
NUMBER OF SEQ ID NOS: 554
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; OTHER INFORMATION: Description of Artificial Sequence:PRIMER US-10-393-075-1
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Indels
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Diagnostic Oligonucleotide US-10-300-683-446
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                                                                                           1157 CCTTCTCCAACTACTA 1172
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1157 CCTTCTCCAACTACTA 1172
                                                                                                                                         2 CCTTCTCCAAGAACTA 17
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            Best Local Similarity 87.5
Matches: 14; Conservative
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LENGTH: 17
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Sequence 256, Application US/10300683

Publication No. US20030235834A1

SEGRERAL INFORMATION:

APPLICANT: Unulop, Charles L.M.

APPLICANT: Weisel, James M.

TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS
FILE REFERENCE: CHARDUN.010A

CURRENT APPLICATION NUMBER: US/10/300,683

CURRENT FILING DATE: 2002-11-19

PRIOR PRILING DATE: 2001-11-19

NUMBER OF SEQ ID NOS: 554

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 17
                                                                                                                                    ; OTHER INFORMATION: Description of Artificial Sequence: capture US-10-297-068-725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 95, Application US/10300683
Publication No. US20030235834A1
GENERAL INFORMATION:
APPLICANT: Unilop, Charles L.M.
APPLICANT: Weisel, James M.
TITLE OF INVENTION: APPROACHES TO IDENTIFY CYSTIC FIBROSIS FILE REFERENCE: CHARDUN.010A
CURRENT APPLICATION NUMBER: US/10/300,683
CURRENT FILING DATE: 2002-11-19
PRIOR APPLICATION NUMBER: 60/333,531
PRIOR FILING DATE: 2001-11-19
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 95
LENGTH: 17
                                                                                                                                                                                                                                                                                                         1122 CAGGATGTTCTACCGG 1137
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                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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US-10-300-683-95
                   SEQ ID NO 725
LENGTH: 17
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14; Conservative
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Matches 14; Conserv
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Query Match
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                                                          US-10-261-185-1419/C

SEQUENCE 1419, Application US/10261185

PUBLICATION O. US20040014057A1

GENURAL INFORMATION:

APPLICANT: Knice, Eric B.

APPLICANT: Rice, Michael C.

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OF INVENTION: Targeted Chromosomal Genomic Alterations with Modified Single

TITLE OF INVENTION: Stranded Oligonucleotides

TITLE OF INVENTION: UNABER: US/10/261,185

CURRENT PILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-03-27

PRIOR FILING DATE: 2000-03-27

PRIOR FILING DATE: 2000-03-27

PRIOR FILING DATE: 2000-06-01

PRIOR FILING DATE: 2000-10-30

NUMBER OF SEQ ID NOS: 4385

SOPTWARE: Friedman macro Napro4

SEQ ID NOS: 4385
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US-10-261-185-1420
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US-10-261-185-1420
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US-10-342-902-118
Sequence 118, Application US/10342902
publication No. US20040054156A1
publication No. US20040054156A1
publication No. US20040054156A1
publication No. US20040054156A1
APPLICANT: Sirra Therapeutics, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Morisesy, Dave
FILE REPERENCE: 400/075 (MEHBOO-845-1)
CURRENT APPLICANTON WHERE: US/0/342,902
CURRENT APPLICATION WHERE: US/0/342,902
CURRENT PAPLICATION WHERE: US/0/342,902
CURRENT PAPLICATION WHERE: US/0/36-08
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-00-09
PRIOR PLING DATE: 2000-010-24
PRIOR PLING DATE: 1992-05-14
PRIOR PLING DATE: 1999-11-08
WUMBER OF SEQ ID NOS: 6592
SOFFWARE PLEATER PARENT NOWER: US 09/436,430
PRIOR PLING DATE: 1999-11-08
WUMBER OF SEQ ID NOS: 6592
SEQ ID NO 118
LENGTH: 17
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0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 3.9e+02; tive 0; Mismatches 2; Indels
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APPLICANT: SINGLETON, FREDDIE
TITLE OF INVENTION DETECTION OF SPORE FORMING BACTERIA
FILE REFERENCE: B1113P
CURRENT APPLICATION NUMBER: US/10/608,062
CURRENT FILING DATE: 2003-06-27
FRICE REPERIOR PUMBER: US 09/356,677
PRIOR PELLING DATE: 1999-07-20
PRIOR FILING DATE: 1998-05-27
PRIOR APPLICATION NUMBER: US 09/085,359
PRIOR PILING DATE: 1998-05-27
NUMBER OF SEQ ID NOS: 52
SOFTWARE: PATENTIN Version 3.1
SEQ ID NO 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , ORGANISM: Bacillus stearothermophilus US-10-608-062-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-608-062-20/c; Sequence 20, Application US/10608062; Publication No. US20040014122A1; GENERAL INFORMATION:
                                                                                                                                                                                        1399 CAGCGCACCGGCCCGG 1414
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SQUENCE 755, Application US/10675685

SQUENCE 755, Application US/10675685

SPUBLICATION: US20040063134A1

GENERAL INFORMATION:

APPLICANT: GLANDON, MARK

TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REPRESENCE: PB0114

CURRENT APPLICATION NUMBER: US/10/675,685

CURRENT FILING DATE: 2003-09-30

PRIOR PELICATION NUMBER: US 60/207,456

PRIOR PELICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

RIOR APPLICATION NUMBER: US 60/236,359

FRIOR FILING DATE: 2000-09-27

NUMBER OF SEQ ID NOS: 1881

SOFTWARE: Apemica Sequence Listing Engine

SSOFTWARE: Apemica Sequence Listing Engine
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Publication No. US20040063134A1
GENERAL INFORMATION:
APPLICANT: Gu, Yizhong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN IF ILE REFERENCE: PB0114
CURRENT APPLICATION NUMBER: US/10/675,685
CURRENT FILING DATE: 2003-09-30
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ilarity 87.5%; Pred. No. 3.9e+02;
Conservative 0; Mismatches 2;
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87.5%; Pred. No. 3.9e+02;
trive 0; Mismatches 2;
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR PELLOR NUMBER: US 09/636,385
PRIOR APPLICATION NUMBER: US 09/696,347
PRIOR APPLICATION NUMBER: US 09/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6592
SOOTWARE: PATENTIN VERSION 3.2
SEQ ID NO 2178
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  527 CCACCCTGTTGGCGCC 542
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Best Local Similarity 87.5
Matches 14; Conservative
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US-10-675-685-755
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-342-902-2178
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US-10-675-685-756
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                                                                                                                                                                                                                                                                                                                  Sequence 808, Application US/10342902
Publication No. US20040054156A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutice, Inc.
APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Morxissey, Dave
TILL CANT: Morxissey, Dave
TILL CANT: Morxissey, Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/075 (MBHB00-845-1)
CURRENT PAPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
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APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/075 (MBHB00-845-I)
CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
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                                                                                                        Length 17;
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                                                                                                      Score 12.8; DB 1;
Pred. No. 3.9e+02;
6; Mismatches 2;
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PRIOR PELING DATE: 2001-06-08
PRIOR PELING DATE: 2001-06-08
PRIOR PELING DATE: 2000-03-20
PRIOR PILING DATE: 2000-03-20
PRIOR PILING DATE: 2000-08-09
PRIOR PELING DATE: 2000-08-09
PRIOR PELING DATE: 100-10-24
PRIOR PELING DATE: 100-10-24
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1992-05-14
PRIOR PELING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PELING DATE: 1992-05-14
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SEQ ID NO 808
LENGTH: 17
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                                                                                                        h 0.8%;
Similarity 50.0%;
8; Conservative
          ; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-118
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                                                                                                        Query Match
Best Local Similarity
Matches 8; Conserv
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Matches 8; Conserv
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Gaps

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2; Indels

Length 17;

Score 12.8; DB 1; Pred. No. 3.9e+02; 0; Mismatches

0.8%;

gibbs026-3.rnpb

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Query Match
Best Local Similarity 87.5'
Matches 14; Conservative
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US-10-675-685-762
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Publication No. US20040063134A1

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVERTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: PB0114
CURRENT APPLICATION NUMBER: US/10/675,685
CURRENT PILING DATE: 2003-09-30
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-26
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SOFTWARE: Aeomica Sequence Listing Engine
SOFTWARE: DAA
TYPE: DNA
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Publication No. US20040063134A1

GENERAL INFORMATION:

APPLICANT: Shannon, Mark

ITILE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REFRENCE: PB0114

CURRENT APPLICATION NUMBER: US/10/675,685

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-27

NUMBER OF SEQ ID NOS: 1881

SEQ ID NO 759

LENGTH: 17
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 756
LENGTH: 17
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US-10-675-685-756
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CORGANISM: Homo sapiens
US-10-675-685-759
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US-10-675-685-762
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Sequence 2567, Application US/10138674
Publication No. US20040077555A1
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ravco, Pam APPLICANT: Bavco, Pam APPLICANT: Bavco, Dam APPLICANT: Bavco, Dam APPLICANT: Bavco, Dam APPLICANT: Bavco, Jaim APPLICANT: Lavels of Vascular Endothelial Growth Factor Receptor FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Bacobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: McFindo and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION NUMBER: US/10/138,674
NUMBER OF SEQ ID NOS: 2082-
SOFTWARE: Patentin version 3.0
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43.8%; Pred. No. 3.9e+02;
tive 7; Mismatches 2; Indels
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Publication No. US20040077565A1
GENERAL INFORMATION:
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825 CTTCTGCCCAACACTC 840
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                                                           1 cercreccarcacrc 16
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US-10-138-674-4768
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US-10-138-674-4768
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APPLICANT: McGwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: Escobedo, Jaine

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]

TITLE OF INVENTION: Method and Vascular Endothelial Growth Factor Receptor

FILE REFERENCE: MBH800-876-N (400/049)

CURRENT TILING DATE: 2002-05-03

SOFTWARE: Patentin Version 3.0

SEQ ID NO 4786

ENGTH: 17

TYPR: ....
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBH00-0876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT PAILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Secobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)
FILE REFERENCE: MBH800-976-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
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87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 12.8; DB 1; Length 17;
81.2%; Pred. No. 3.9e+02;
tive 1; Mismatches 2; Indels
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; Sequence 5375, Application US/10138674
; Publication No. US20040077565A1
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Best Local Similarity 81.2
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-10-138-674-4786
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Matches 14; Conserv
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US-10-138-674-6490
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LENGTH: 17
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US-10-138-674-4785
US-10-138-674-4785
Sequence 4785, Application US/10138674
Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
APPL
                                                                                                                                                                                                                                                                                                                       Sequence 4769, Application US/1013674

Publication No. US20040077565A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: APPLICANT: Broched, Jan
APPLICANT: Stinchomb, Dan
APPLICANT: Broched, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPRENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT PILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 2082-05
SEQ ID NO 4769
LENGTH: 17
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0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 62.5%; Pred. No. 3.9e+02;
Matches 10; Conservative 4; Mismatches 2; Indels
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Sequence 4786, Application US/10138674

Publication No. US20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.
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; ORGANISM: Homo sapiens
US-10-138-674-4769
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CORGANISM: Homo sapiens
US-10-138-674-4785
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Best Local S:
Matches 13,
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Rabozyme Pharmaceuticals, Inc.
APPLICANT: Gavedy Pam APPLICANT: Applicant: Markagen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Scobedo, Jaime
APPLICANT: Makenod and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: MANBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 7443
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US-10-138-674-7558/c

Sequence 7558, Application US/10138674

Sequence 7558, Application US/20040077565A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: MCSWiggen, Jim

APPLICANT: MCSWiggen, Jim

APPLICANT: MCSWiggen, Jan

CURRENT APPLICANT: MCHBOO-876-N (400/049)

CURRENT APPLICATION NUMBER: US/10/138,674

CURRENT APPLICATION NUMBER: US/10/138,674

CURRENT APPLICANT: MCSWIGGEN

SOFTWARE: PALCANTIN version 3.0
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75.0%; Pred. No. 3.9e+02;
tive 2; Mismatches 2; Indels
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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                                                                                     283 GAGCCATCCCTGGGGA 298
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                                                                                                                     1 GAGCAAUCCCUGUGGA 16
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                       12; Conservative
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Matches 14; Conservative
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US-10-138-674-7443
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ORGANISM: Homo sapiens
  Best Local Similarity
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; Sequence 6686, Application US/10138674
; Publication No. US20040077565A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Bavco, Pam
; APPLICANT: Brinchomb, Dan
; APPLICANT: Brinchomb, Dan
; APPLICANT: Brinchomb, Dan
; APPLICANT: Brinchomb, Dan
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Method and Name Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Method and Name Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Method and Name Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: Davis Name Reagent for the Treatment of Diseases or Conditions Re
; TITLE OF INVENTION: 2002-05-03
; CURRENT PILING DATE: 2002-05-03
; NOWHER OF SEQ ID NOS: 20822
; SEQ ID NO 6686
; SEQ ID NO 6686
; LENGTH: 17
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Binchcomb, Dam
APPLICANT: Stinchcomb, Jame
APPLICANT: Stinchcomb, Jame
APPLICANT: Stinchcomb, Jame
APPLICANT: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SEQ ID NO 6491
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                                                                                                                                                                                                                               0.8%; Score 12.8; DB 1; Length 17;
87.5%; Pred. No. 3.9e+02;
tive 0; Mismatches 2; Indels
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                             SOFTWARE: PatentIn version 3.0 SEQ ID NO 6490
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     NUMBER OF SEQ ID NOS: 20822
                                                                                                                                                                                                                                                                                       Matches 14; Conservative
                                                                                                            TYPE: RNA
CORGANISM: Homo sapiens
US-10-138-674-6490
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
CORGANISM: Homo sapiens
US-10-138-674-6686
                                                                                                                                                                                                                                                          Best Local Similarity
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US-10-138-674-6491
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Sequence 8463, Application US/10138674

Publication No. US20040077555A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bacobedo, Jam
APPLICANT: Bscobedo, Jaim
APPLICANT: Bscobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REFERENCE: MBH800-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 8432
LENGTH: 17
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APPLICANT: Moswiggen, Jim
APPLICANT: Moswiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
ATITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Method and Vascular Endothelial Growth Pactor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICANTION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
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Pred. No. 3.9e+02;
1; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                         Length 17;
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Pred. No. 3.9e+02;
                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Best Local Similarity 87.5%;
Matches 14; Conservative (
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SOFTWARE: PatentIn version 3.0
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Best Local Similarity 81.2%;
Matches 13; Conservative
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US-10-138-674-8432
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US-10-138-674-8716/c
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                                                                                                                                                                                                         TYPE: RNA
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                 APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 7715
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Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 7715, Application US/10138674
Publication No. US20040077565A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Best Local Similarity 87.5%;
Matches 14; Conservative (
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Best Local Similarity 56.2%;
Matches 9; Conservative
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McSwiggen, Jim
Stinchcomb, Dan
Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7715
                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-138-674-7644
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APPLICANT:
APPLICANT:
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Brinchcomb, Jam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, 
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: Bacobedo, Jim
APPLICANT: Escobedo, Jaim
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: 12003-04-11
NUMBER OF SEQ ID NOS: 2082-2
SOFTWARE: Patentin version 3.0
SEQ ID NO 4785
IENGTH: 17
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62.5%; Pred. No. 3.9e+02;
ative 4; Mismatches 2;
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                                                                                                                                                                                     Sequence 4769, Application US/10287949A Publication No. US20040102389A1 GENERAL INFORMATION:
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Sequence 4786, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
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Best Local Similarity 62.55
Matches 10; Conservative
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US-10-287-949A-4769
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US-10-287-949A-4785
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APPLICANT: Machine Pharmaceuticals, Inc.
APPLICANT: Machine Machine Machine
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT PAPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
ERNGTH: 1-
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                                                                                                                          Length 17;
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43.8%; Pred. No. 3.9e+02;
tive 7; Mismatches 2; Indels
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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% Sequence 2567, Application US/10287949A

% Publication No. US20040102389A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                        1021 CTGCATGCCACGTTGC 1036
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Matches 7; Conservative
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CORGANISM: Mus musculus
US-10-287-949A-2567
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; ORGANISM: Homo sapiens
US-10-287-949A-4768
                                ; ORGANISM: Homo sapiens
US-10-138-674-8716
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US-10-287-949A-4768
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Sequence 6491, Application US/10287949A

Sequence 6491, Application US/10287949A

Publication No. US20040102389A1

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bacobedo, Jam

APPLICANT: Bacobedo, Jam

APPLICANT: Bacobedo, Jame

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

FILE REFERENCE: MBHB00-876-N (400/04)

CURRENT PILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 2082-2

SOFTWARE: Patentin version 3.0

FERMINEL OF SECTION OF 991-1
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APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/i0/287, 949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 2082.
SOFTWARE: Patentin version 3.0
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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87.5%; Pred. No. 3.9e+02;
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US-10-287-949A-6686
; Sequence 6686, Application US/10287949A
; Publication No. US20040102389A1
; GENERAL INFORMATION:
; APPLICANT: Ribozyme_Pharmaceuticals, Inc.
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CURRENT FILING DATE: 2003-04-1
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6490
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                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-6490
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ORGANISM: Homo sapiens
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US-10-287-949A-6686
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US-10-287-949A-6491
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APPLICANT: Binchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT PELLING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn Version 3.0
SEQ ID NO 5375
LENGTH: 17
                                                                         APPLICANT: StinchGomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
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APPLICANT: McSwiggen, Jim
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERENCE: MBHB00-876-N (400/049)
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Pred. No. 3.9e+02;
1; Mismatches 2; Indels
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CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF EG ID NOS: 20822
SOFTWARE: Patentin version 3.0
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CURRENT APPLICATION NUMBER: US/10/287,949A
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Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 6490, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1416 ATGGAACGTGCTGATG 1431
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Best Local Similarity 81.2%;
Matches 13; Conservative
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                                                      McSwiggen, Jim
                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Homo Bapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-5375
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US-10-287-949A-6490
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Matches
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Page 162

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US-10-287-949A-7644

1 Sequence 7644, Application US/10287949A

2 Sequence 7644, Application US/10287949A

3 Publication No. US20040102389A1

3 GENERAL INFORMATION:

4 APPLICANT: Ribozyme Pharmaceuticals, Inc.

5 APPLICANT: Stinchcomb, Dan

5 APPLICANT: Stinchcomb, Dan

6 APPLICANT: Stinchcomb, Dan

7 APPLICANT: Stinchcomb, Dan

8 APPLICANT: Scobedo, Jaime

9 TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)

7 TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)

7 TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)

7 TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re)

7 TITLE OF STUDING DATE: 2003-04-11

8 SOFTWARE: Patentin version 3.0

8 SOFTWARE: Patentin version 3.0

8 SOFTWARE: Patentin version 3.0
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APPLICANT: Ravoo, Pam
APPLICANT: AFFACTON Parcon Pam
APPLICANT: Stinchcomb, Jam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stocbedo, Jaime
APPLICANT: Brochedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: WHORER: US/10/287,949A
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFFWARE: PatentIn version 3.0
SEQ ID NO 7715
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; Publication No. US20040102389A1
; GENERAL INFORMATION:
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'Sequence 8432, Application US/10287949A

'Publication No. US20040102389A1

'GENERAL INFORMATION:
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Matches 9; Conservative
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Sequence 7558, Application US/10287949A

Publication No. US20040102389A1

GENERAL INFORMATION:

MAPPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Reschedo, Dan

APPLICANT: Escobedo, Jaime

APPLICANT: Escobedo, Jaime

APPLICANT: Biscobedo, Jaime

APPLICANT: Astronomb, Dan

APPLICANT: Biscobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

CURRENT PILING DATE: 2003-04-11

NUMBER OF SEQ ID NOS: 20822

SOOTHARE: Patentin version 3.0

SEQ ID NO 7558

LENGTH: 17
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CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 7443
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      0.8%; Score 12.8; DB 1; Length 17; 75.0%; Pred. No. 3.9e+02; tive 2; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                         US-10-287-949A-7443/c
Sequence 7443, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1370 GAGGAATGTTGAACTT 1385
                                                                                                                             283 GAGCCATCCCTGGGGA 298
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Query Match
Best Local Similarity 75.0°
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Homo sapiens
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US-10-287-949A-7558
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US-10-287-949A-7558/C
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Best Local S:
Matches 14
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Sequence 344, Application US/10712672

Deblication No. US20040102413A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REFERENCE: MHHBOO-882-C (400/019)

CURRENT FILING DATE: 2003-11-3

PRIOR PILING DATE: 2000-08-31

PRIOR PILING DATE: 2000-08-31

PRIOR FILING DATE: 1999-08-31

NUMBER OF SEQ ID NOS: 5586

SOFTWARE: PatentIn version 3.0

SEQ ID NO 344

LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 592
US-10-712-672-305
is Sequence 305. Application US/10712672
is Publication No. US20040102413A1
is GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFERENCE: MBH800-882-C (400/019)
CURRENT PILING DATE: 2003-11-13
PRIOR PELICATION NUMBER: US/09/653,225
PRIOR PELICATION NUMBER: 06/197,769
PRIOR APPLICATION NUMBER: 60/197,769
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 2000-04-14
PRIOR PILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: PRECENT VERSION 3.0
SEQ ID NOS: 5586
SEQ ID NOS: 5586
SEQ ID NOS: 5586
SEQ ID NOS: 5586
SEQ ID NOS: 5000-04-14
SEQ ID NOS: 5586
SEQ ID NOS: 5000-05-15
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                                                                                                                                                                    0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 3.98+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                  1021 CTGCATGCCACGTTGC 1036
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Matches 10; Conservative
                                                                                                                                                                                                                                                 14; Conservative
                                    ; TYPE: RNA
; CORGANISM: Homo sapiens
US-10-287-949A-8716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
CORGANISM: Homo sapiens
US-10-712-672-305
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Best Local Similarity
Matches 14; Conserv
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US-10-712-672-344
   LENGTH: 17
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Sublication No. US20040102389A1

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Raco, Pam
APPLICANT: Record, Dam
APPLICANT: Stinchcond, Dam
APPLICANT: Scinchcond, Dam
APPLICANT: Baccobedo, Jaim
APPLICANT: MBHB00-976-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOPTWARE: Patentin Version 3.0
SEQ ID NO 8716
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dam
APPLICANT: Stinchcomb, Dam
APPLICANT: Stinchcomb, Jaim
APPLICANT: Stinchcomb, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEO ID NOS: 20822
SOFTWARE: Patentin version 3.0
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions i
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287, 949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 8463, Application US/10287949A
Publication No. US20040102389A1
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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CORGANISM: Homo sapiens
US-10-287-949A-8463
                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-287-949A-8432
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US-10-287-949A-8716/c
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Best Local $
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Sequence 1252, Application US/10712672

Sequence 1252, Application US/10712672

Publication No. US20040102413A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REFERENCE: MBHB00-882-C (400/019)

CURRENT APPLICATION NUMBER: US/09/653,225

PRIOR FILING DATE: 2000-04-14

PRIOR FILING DATE: 2000-04-14

PRIOR FILING DATE: 1999-08-31

PRIOR FILING DATE: 1999-08-31

NUMBER OF SEQ ID NOS: 5586

SOFTWARE: PatentIn Version 3.0

LENGTH: 17
   ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-1251
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ORGANISM: Homo sapiens
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US-10-712-672-446
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APPLICANT: Chowaira, Bharat
APPLICANT: Chowaira, Bharat
APPLICANT: Stinchomb, Dan
APPLICANT: Stinchomb, Dan
TITLE OP INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFERENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/10/712,672
CURRENT FILING DATE: 2003-11-13
PRIOR FILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR PILING DATE: 2000-08-31
PRIOR FILING DATE: 2000-08-31
PRIOR FILING DATE: 1999-08-31
SEQ ID NOS: 5586
SOFTWARE: PatentIn Version 3.0
SEQ ID NOS: 5586
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US-10-712-672-446

i Sequence 446. Application US/10712672

i Publication No. US20040102413A1

i GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Bharat

APPLICANT: APPLICANT: Albayagen, Jim
    APPLICANT: McSwiggen, Jim
    APPLICANT: McWiggen, McSwiggen, McSwi
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O.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 68.8%; Pred. No. 3.9e+02;
Matches 11; Conservative 3; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 345, Application US/10712672; Publication No. US20040102413A1; GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                              352 CAGCATTTCCGCACCA 367
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Best Local Similarity 68.8°
Matches 11; Conservative
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-712-672-344
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CRGANISM: Homo sapiens
US-10-712-672-345
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Sequence 1251, Application US/10712672
; Sequence 1251, Application US/10712672
; Publication No. US2004010241341
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Chowrira, Bharat
; APPLICANT: Chowrira, Bharat
; APPLICANT: Chowrira, Dan
; TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
; FILE REFERENCE: MEMBOG 082. C (400/019)
; CURRENT APLICATION NUMBER: US/10/712,672
; CURRENT FILING DATE: 2003-11-13
; PRIOR APPLICATION NUMBER: 60/197,769
; PRIOR PILING DATE: 2000-08-11
; PRIOR FILING DATE: 1999-08-31
; NUMBER OF SEQ ID NOS: 5586
; SOFTWARE: Patentin version 3.0
; SEQ ID NO 1251
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Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 81.2%; Pred. No. 3.9e+02; Matches 13; Conservative 1; Mismatches 2; Indels
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                                                                                                     1486 TGGTACGCACGCCGC 1501
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US-10-712-672-2191
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LENGTH: 17
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Sequence 1928, Application US/10712672

Publication No US20040102413A1

GENERAL INPORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Grawing, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REPERENCE: MHHBOG-882-C (400/019)

CURRENT APPLICATION NUMBER: US/10/712,672

CURRENT PILING DATE: 2003-11-13

PRIOR FILING DATE: 2000-08-31

PRIOR FILING DATE: 2000-08-31

PRIOR FILING DATE: 1999-08-31

PRIOR FILING DATE: 1999-08-31

NUMBER OF SEQ ID NOS: 5586

SEQ ID NO 1928

LENGTH: 17
                                                                                                                                                                                                                                                                                              Sequence 1413, Application US/10712672

Sequence 1413, Application US/10712672

Publication No. US2004010241341

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Mcthod and Reagent for the Inhibition of Telomerage Enzyme

FILE REFERENCE: MBHB00-882-C (400/019)

CURRENT APPLICATION NUMBER: US/01/712,672

CURRENT APPLICATION NUMBER: US/09/653,225

PRIOR FILING DATE: 2000-04-14

PRIOR FILING DATE: 2000-04-14

PRIOR FILING DATE: 2099-08-31

NUMBER: OF SEQ ID NOS: 5586

SEQ ID NO 143

LENGTHAL 113
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                                            Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 50.0%
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US-10-712-672-1252
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US-10-712-672-2191

; Sequence 2191, Application US/10712672

; Publication No. US20040102413A1

; RAPLICANT: Ribozyme Pharmaceuticals, Inc.

; APPLICANT: Chowrira, Bharat

; APPLICANT: Chowrira, Bharat

; APPLICANT: Chowrira, Dan

; APPLICANT: Stinchcomb, Dan

; TILE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

; FILE REFERENCE: MBHB00-882-C (400/019)

; CURRENT FILING DATE: 2003-11-13

; PRIOR PLILING DATE: 2000-08-31

; PRIOR PLILING DATE: 2000-08-31

; PRIOR PLILING DATE: 2000-04-14

; PRIOR FILING DATE: 2000-04-14

; RUBER OF SEQ ID NOS: 5586

; SOFFWARE: PALENTIN VERSION 3.0
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Sequence 2477, Application US/10712672

Publication No. US20040102413A1

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Bharat

APPLICANT: Chowrira, Dan

TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme

FILE REFERENCE: MBHB00-882-C (400/019)

CURRENT FILING DATE: 2003-11-13

PRIOR FILING DATE: 2000-08-31

PRIOR FILING DATE: 2000-08-31

PRIOR PILING DATE: 2000-04-14

PRIOR FILING DATE: 1999-08-31

PRIOR FILING DATE: 2000-04-14

NUMBER OF SEQ ID NOS: 5586

SOFTWARE: PatentIn Version 3.0
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   Length 17;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 75.0%; Pred. No. 3.9e+02;
Matches 12; Conservative 2; Mismatches 2;
   Score 12.8; DB 1;
Pred. No. 3.9e+02;
Query Match 0.8%; Score 12.8; D
PBst Local Similarity 75.0%; Pred. No. 3.9e
Matches 12; Conservative 2; Mismatches
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ORGANISM: Homo Bapiens
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Sequence 2669, Application US/10712672

Publication No. US20040102413A1

GENERAL INFORMATION:
APPLICANT: Chowrita, Bharat
APPLICANT: Chowrita, Bharat
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REFRENCE: MBHB00-882-C (400/019)
CURRENT APPLICATION NUMBER: US/107/12,672
CURRENT APPLICATION NUMBER: US/09/653,225
PRIOR PILING DATE: 2000-08-31
PRIOR PLING DATE: 2000-08-31
PRIOR PLING DATE: 2000-08-31
PRIOR PLING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: PatentIn version 3.0
SEQ ID NO 2669
LENTH: 17
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1 Sequence 72, Application US/10376770

2 Sequence 72, Application US/10376770

3 Sequence 72, Application No. US20040106102A1

3 GENERAL INFORMATION:

4 APPLICANT: Dhallan, Ravinder S.

5 TITLE OF INVENTION: RAPID ANALYSIS OF VARIATIONS IN A GENOME

5 FILE REFRENCE: 543312000320

5 CURRENT APPLICATION NUMBER: US/10/376,770

6 CURRENT FILING DATE: 2002-02-8

7 FRIOR APPLICATION NUMBER: US 60/360,232

7 FRIOR APPLICATION NUMBER: US 60/360,232

7 FRIOR APPLICATION NUMBER: US 60/378,354

7 FRIOR PILING DATE: 2002-03-01

7 FRIOR PILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR APPLICATION NUMBER: US 60/378,354

7 FRIOR PILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR FILING DATE: 2002-03-01

7 FRIOR APPLICATION NUMBER: US 60/378,354

7 FRIOR APPLICATION NUMBER: US 60/378,354

7 FRATURE:

7 CATHEN INFORMATION: These nucleotides may be absent

8 GOTHER INFORMATION: These nucleotides may be absent
0.8%; Score 12.8; DB 1; Length 17; 50.0%; Pred. No. 3.9e+02; tive 6; Mismatches 2; Indel8
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                                                                                                                            445 CTGCTGCTGGAGTTTG 460
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1 CUGCUCCUGGCGUUUG 16
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                                Best_Local Similarity 50.0 Matches 8; Conservative
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US-10-712-672-2669
   Query Match
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## APPLICANT: Pamela, Pavco

APPLICANT: Blisabeth, Roberts

TITLE OF INVENTION: O'GLOWUCLECONCINE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: O'GLOWUCLECONCINE

FILE REPERRORE: 400/04JUS (MAHB02-249-E)

CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT APPLICATION NUMBER: US/10/669,841

CURRENT APPLICATION NUMBER: US/200-2-3

FRIOR PELING DATE: 2001-06-08

FRIOR PELING DATE: 2001-06-08

FRIOR PELING DATE: 2001-10-24

FRIOR APPLICATION NUMBER: US/0335,059

FRIOR PELING DATE: 2001-10-24

FRIOR APPLICATION NUMBER: US/0337,055

FRIOR APPLICATION NUMBER: US/0331,24

FRIOR APPLICATION NUMBER: US/0341,331

FRIOR APPLICATION NUMBER: US/0341,331

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR PELING DATE: 2000-02-12

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR PELING DATE: 2000-03-16

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR PELING DATE: 2000-03-16

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR PELING DATE: 2000-03-16

FRIOR APPLICATION NUMBER: US/09/611,331

FRIOR PELING DATE: 2000-03-16

FRIOR APPLICATION UMBER: US/09/611,331

FRIOR APPLICATION UMBER: US/09/611,331

FRIOR APPLICATION UMBER: US/09/611,331

FRIOR APPLICATION UMBER: US/09/611,331

FRIOR PELING DATE: 2000-03-16

FRIOR PELING DATE: 2000-03-16

FRIOR PELING DATE: DATE: US/09/6
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Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 118, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 808, Application US/10669841; Publication No. US20040127446A1; GENEAL INFORMATION: APPLICANT: Sirna Therapeutics, Inc.; APPLICANT: Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1043 TCTTCATGCTGCT 1058
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James, McSwiggen
David, Morrissey
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APPLICANT: Jennis, Macaigaen
APPLICANT: Deniid, Morrissey
APPLICANT: David, Morrissey
APPLICANT: David, Morrissey
APPLICANT: Pamels, Pamels, Pamels
APPLICANT: Pamels, Pamels
APPLICANT: Pamels, Pamels
APPLICANT: Elisabeth, Pamels
TITLE OF INVENTION: OLIGONICLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA7
TITLE OF INVENTION: OLIGONICLEOTIDE MEDIATED
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MHH802-249-E)
CURRENT FILING DATE: 2003-09-23
PRIOR FILING DATE: 2003-09-23
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2001-13-16
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2000-02-10
PRIOR FILING DATE: 2000-02-10
PRIOR FILING DATE: 2000-02-10
PRIOR FILING DATE: 2000-02-11
PRIOR FILING DATE: 2000-02-15
PRIOR FILING DATE: 2000-02-15
PRIOR FILING DATE: 2000-02-15
PRIOR FILING DATE: 2000-02-15
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SOFTWARE: Patentin version 3.0
SEQ ID NO 1994
LENGTH: 17
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR FILING DATE: 2001-12-05
PRIOR FILING DATE: 2002-02-03
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2001-03-26
PRIOR PLING DATE: 2000-02-01
PRIOR PLING DATE: 2000-02-01
PRIOR PRIOR DATE: 2000-02-18
PRIOR PRIOR DATE: 2000-02-18
PRIOR PRIOR DATE: 2000-07-07
PRIOR PRING DATE: 2000-07-07
PRIOR PRING DATE: 2000-07-07
PRIOR PRING DATE: 2000-07-07
PRIOR PRING DATE: 2000-02-15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-1994
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Dennis, Macejak
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                                                                                                                                                                     APPLICANT: Partice, Lee
APPLICANT: Renneth, Deaper
TITLE OF INVENTION: OLICADAUCLECTION MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: OLICADATES US 10/669,841
CURRENT PELICATION NUMBER: US 10/3-09-29.
FRICE PRICE PRICE 2003-09-26
PRICE PLILNG DATE: 2003-09-26
PRICE PLILNG DATE: 2001-06-08
PRICE PRICE PRICE 2001-06-08
PRICE PRICE APPLICATION NUMBER: US 60/354,124
PRICE PRICE PRICE 2001-03-12
PRICE PRICE 2001-03-12
PRICE PRICE PRICE 2001-03-13
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| Publication No. US20040127446A1
| Publication No. US20040127446A1
| Publication No. US20040127446A1
| GENERAL INFORMATION:
| APPLICANT: Sirna Therapeutics, Inc.
| APPLICANT: David, Mortisesy
| APPLICANT: David, Mortisesy
| APPLICANT: Pamela, Moswiggen
| APPLICANT: Pamela, Moswiggen
| APPLICANT: Pamela, Pavco
| APPLICANT: Pamela, Pavco
| APPLICANT: Pamela, Pavco
| APPLICANT: Pamela, Pavco
| APPLICANT: Pamela, Roberts
| APPLICANT: Pamela, Roberts
| APPLICANT: Rennech, Draper
| APPLICANT: Pamela, Roberts
| APPLICANT: Pamela, Pavco
| APPLICANT: Pavco
| APPLIC
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CRGANISM: Hepatitis B Virus
US-10-669-841-808
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Best Local Similarity
Matches 8; Conserva
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APPLICANT: Ratice, Lee
APPLICANT: Risabeth, Roberte
APPLICANT: Elisabeth, Roberte
APPLICANT: Elisabeth, Roberte
APPLICANT: Elisabeth, Roberte
TITLE OF INVENTION: OLICONOUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA]
TITLE OF INVENTION: OLICONOUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA]
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MEHB02-249-E)
CURRENT APPLICATION NUMBER: US 60/296,841
CURRENT FILING DATE: 2003-09-23
FRIOR FILING DATE: 2003-09-24
FRIOR FILING DATE: 2003-09-26
FRIOR FILING DATE: 2003-09-26
FRIOR FILING DATE: 2003-09-26
FRIOR FILING DATE: 2003-03-26
FRIOR FILING DATE: 2003-03-31
FRIOR FILING DATE: 2003-03-31
FRIOR FILING DATE: 2003-03-21
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR FILING DATE: 2003-03-31
FRIOR APPLICATION NUMBER: US 60/363,124
FRIOR FILING DATE: 2003-03-26
FRIOR FILING DATE: 2003-03-36
FRIOR FILING DATE: 2003-03-37
FRIOR FILING DATE: 2003-0
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                                                                                                                                                                                                             Length 17;
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                                                                                                                                                                                                                                                                              Indels
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0.8%; Score 12.8; DB 1;
Best Local Similarity 50.0%; Pred. No. 3.9e+02;
Matches 8; Conservative 6; Mismatches 2;

; LOCATION:
; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-3225

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 3969, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dannis, Maccajak
APPLICANT: Danie, McSwiggen
APPLICANT: David, Morrissey
                                                                                                                                                                                                                                                                                                                                                  1430 TGTGGACCATGCTGTT 1445
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ORGANISM: Artificial Sequence
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Patrice, Lee
Kenneth, Draper
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Best Local Similarity 68.83
Matches 11; Conservative
                   NAME/KEY: misc_feature
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APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Bliaabeth, Darger
TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
TITLE OF INVENTION: VIRUS REPLICATION
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION UNMBER: US/10/669,841
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PRIOR APPLICATION NUMBER: PCT/USO2/09187

PRIOR FILING DATE: 2003-09-23

PRIOR PLING DATE: 2001-06-09

PRIOR PELING DATE: 2001-66-09

PRIOR PELING DATE: 2001-66-09

PRIOR PELING DATE: 2001-10-24

PRIOR APPLICATION NUMBER: US 60/335,059

PRIOR PELING DATE: 2001-12-05

PRIOR PELING DATE: 2001-12-05

PRIOR PELING DATE: 2002-02-00

PRIOR PELING DATE: 2002-03-10

PRIOR PELING DATE: 2002-03-10

PRIOR PELING DATE: 2002-03-10

PRIOR PELING DATE: 2000-03-10

PRIOR PELING DATE: 2000-13-26

PRIOR PELING DATE: 2000-13-26

PRIOR PELING DATE: 2000-13-26

PRIOR PELING DATE: 2000-07-07

PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR PELING DATE: 2000-02-15

PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR PELING DATE: 2000-02-15

PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR APPLICATION PUMBER: US 09/504,321

PRIOR APPLICATION NUMBER: US 09/504,321
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                                                                                                                                                                                                                                                                                             OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
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ORGANISM: Artificial Sequence
FEATURE:
OCTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
FEATURE:
Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 16207 SOFTWARE: PatentIn version 3.0 SEQ ID NO 3028 LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 12.8; DB 1; Length 17; 68.8%; Pred. No. 3.9e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                    ; LOCATION: -
; OTHER INFORMATION: oligonucleotide substrate US-10-669-841-3028
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 3225, Application US/10669841
Publication No. US20040127446A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1079 ATTGCTGGCTCAACGC 1094
                                                                                                                                                                                  TYPE: RNA
ORGANISM: Artificial Sequence
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David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.85
Best Local Similarity 68.87
Matches 11; Conservative
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Dennis, Macejak
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## APPLICANT: Reliabeth, Roberts
### APPLICANT: Eliabeth, Roberts
### APPLICANT: Eliabeth, Roberts
#### APPLICANT: Eliabeth, Roberts
#### TITLE OF INVENTION: VIRON REDILCATION
### CURRENT APPLICATION: VIRON REDILCATION
### CURRENT PELIAGO DATE: 2001-09-23
### PRIOR FILING DATE: 2001-00-06
### PRIOR FILING DATE: 2001-10-24
### PRIOR FILING DATE: 2001-10-24
### PRIOR PELIAND NUMBER: US 60/335,059
### PRIOR PELIAND NUMBER: US 60/331,124
### PRIOR FILING DATE: 2001-12-06
### PRIOR FILING DATE: 2001-00-20
### PRIOR PELING DATE: 2000-00-30
### PRIOR PELING DATE: 2000-10-30
### PRIOR PELING DATE: 2000-00-30
### PRIOR PELING DATE: 3000-00-30
### PRIOR 
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TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: VIRUS REPLICATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME/KEY: misc_feature
LOCATION:
OTHER INFORMATION: oligonucleotide substrate
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Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
APPLICANT: Dennis, Macejak
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                265 TCCTTGAGCAGGACCC 280
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David, Morrissey
                                         James, McSwiggen
David, Morrissey
                                                                                                                                                Patrice, Lee
Kenneth, Draper
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Kenneth, Draper
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 612
US-10-669-841-4620/c
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APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT:
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APPLICANT: PARTICE, Lee
APPLICANT: PARTICE, Lee
APPLICANT: Remeth, Deaper
APPLICANT: Remeth, Deaper
APPLICANT: Remeth, Deaper
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: UNIVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VALUE REPLICATION
FILE REFERENCE: 400/0420S (MHHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2001-09-23-26
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR PELING DATE: 2001-10-24
PRIOR PELING DATE: 2001-10-24
PRIOR PELING DATE: 2001-10-34
PRIOR PELING DATE: 2001-10-34
PRIOR PELING DATE: 2001-12-05
PRIOR PELING DATE: 2001-12-05
PRIOR PELING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 60/331,134
PRIOR APPLICATION NUMBER: US 69/40,331
PRIOR APPLICATION NUMBER: US 69/40,331
PRIOR PELING DATE: 2001-03-26
PRIOR PILING DATE: 2001-03-11
PRIOR PI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           LOCATION:
COTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4492
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Sequence 4498, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                         Sequence 4492, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1186 GTGGTGGTCCATGACT 1201
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                              Lawrence, Blatt
Dennis, Macejak
James, McSwiggen
David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 Grédrefredecader 1
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                                                                                                                                                            -10-669-841-4492/c
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APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Renneth, Draper
APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLESCUIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/042US (MBHB02-249-E)
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PRIOR FILING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR PILING DATE: 2002-02-02-0
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PILING DATE: 2002-03-11
PRIOR PELING DATE: 2000-03-26
PRIOR PELING DATE: 2000-103-26
PRIOR PELING DATE: 2000-12-18
PRIOR PELING DATE: 2000-12-18
PRIOR PELING DATE: 2000-12-18
PRIOR PELING DATE: 2000-03-21
PRIOR PELING DATE: 2000-03-21
PRIOR PILING DATE: 2000-03-21
PRIOR PILING DATE: 2000-03-21
PRIOR PILING DATE: 2000-03-15
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OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME/KEY: misc_feature

LOCATION:

1 LOCATION:

1 O'TER INFORMATION: oligonucleotide substrate

US-10-669-841-4725
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CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR APPLICATION NUMBER: PCT/US02/09187
PRIOR PELLING DATE: 2002-03-26
PRIOR FILING DATE: 2001-06-08
PRIOR PLLING DATE: 2001-06-08
PRIOR PLLING DATE: 2001-10-24
PRIOR PLLING DATE: 2001-10-24
PRIOR PLLING DATE: 2001-10-24
PRIOR PLLING DATE: 2001-12-05
PRIOR PLLING DATE: 2001-12-05
PRIOR PLLING DATE: 2002-02-05
PRIOR PLLING DATE: 2002-03-05
PRIOR PLLING DATE: 2002-03-05
PRIOR PLLING DATE: 2002-03-05
PRIOR PLLING DATE: 2002-03-11
PRIOR PLLING DATE: 2002-03-11
PRIOR PLLING DATE: 2002-03-11
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APPLICATION NUMBER: US 09/611,931
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APPLICANT: Dennis, Macejak;
APPLICANT: James, McSwiggen;
APPLICANT: David, Morrissey;
APPLICANT: Pamela, PavorAPPLICANT: Pamela, PavorAPPLICANT: Pattern
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Artificial Sequence
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APPLICANT: Partice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Patrice, Lee
APPLICANT: Brancht, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICANTION
FILE REFERENCE: 400/042US (MHBD2-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
PRIOR APPLICATION NUMBER: PCT/USO2/09187
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
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            | CURRENT APPLICATION NUMBER: US/10/669,841
| CURRENT APPLICATION NUMBER: US/10/669,841
| CURRENT FILING DATE: 2003-02-23
| FRIOR PELIANG DATE: 2003-02-68
| PRIOR PELIANG DATE: 2002-03-26,876
| PRIOR PELIANG DATE: 2001-166-08
| PRIOR PELIANG DATE: 2001-166-08
| PRIOR PELIANG DATE: 2001-10-24
| PRIOR PELIANG DATE: 2001-12-05
| PRIOR PELIANG DATE: 2001-12-05
| PRIOR PELIANG DATE: 2001-12-05
| PRIOR PELIANG DATE: 2002-03-11
| PRIOR PELIANG DATE: 2002-03-11
| PRIOR PELIANG DATE: 2002-03-11
| PRIOR PELIANG DATE: 2000-13-26
| PRIOR PELIANG DATE: 2000-03-26
| PRIOR PELIANG DATE: 2000-03-15
| PRIOR PELIANG DATE: 2000-03-16
| PRIOR PELIANG DATE: 2003-03-16
| PRIOR PERIOR DATE: 2003-03-16
| PRIOR PELIANG DATE: 2003-03-16
| PRIOR PERIOR DATE: 2003-03-16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: oligonucleotide substrate
US-10-669-841-4620
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 4725, Application US/10669841 Publication No. US20040127446A1 GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   387 TGGCCTGTGTGTCTTC 402
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ORGANISM: Artificial Sequence
FEATURE:
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Dennis, Macejak
James, McSwiggen
David, Morrissey
    FILE REFERENCE: 400/042US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME/KEY: misc_feature LOCATION:
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APPLICANT:
APPLICANT:
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APPLICANT:
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APPLICANT: Dancia, David,
APPLICANT: Bamela, Pavco
APPLICANT: Battice, Lee
APPLICANT: Elisabeth, Roberte
TITLE OF INVENTION: OLIGON/CLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: UNMESR: 104/1069,841
CURRENT APPLICATION NUMBER: 2003-09-23
FRIOR PLING DATE: 2001-03-26
PRIOR FILING DATE: 2001-03-26
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR FILING DATE: 2001-10-24
PRIOR PLING DATE: 2001-10-24
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 60/335, 124
PRIOR FILING DATE: 2001-03-26
PRIOR APPLICATION NUMBER: US 60/363, 124
PRIOR APPLICATION NUMBER: US 60/363, 124
PRIOR APPLICATION NUMBER: US 60/363, 124
PRIOR APPLICATION NUMBER: US 60/363, 132
PRIOR FILING DATE: 2000-02-10
PRIOR APPLICATION NUMBER: US 60/363, 132
PRIOR FILING DATE: 2000-02-10
PRIOR APPLICATION NUMBER: US 60/363, 132
PRIOR FILING DATE: 2000-02-10
PRIOR PLING DATE: 2000-03-26
PRIOR PLING DATE: 2000-03-26
PRIOR PLING DATE: 2000-03-26
PRIOR PLING DATE: 2000-03-26
PRIOR PRIOR PLING DATE: 2000-03-26
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                                                                                                           FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Nucleic Acid
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NUMBER OF SEQ ID NOS: 16207
SOFTWARE: Patentin version 3.0
SEQ ID NO 5772
LENGTH: 17
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0.8%; Score 12.8; DB 1;
Best Local Similarity 68.8%; Pred. No. 3.9e+02;
Matches 11; Conservative 3; Mismatches 2;
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Pred. No. 3.9e+02;
                                                                                                                                                                                                                                                                                  LOCATION:
COTHER INFORMATION: oligonucleotide substrate
US-10-669-841-5243
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Publication No. US20040127446A1
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.NAME/KEY: misc_feature
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Best Local Similarity
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APPLICANT: Elisabeth, Roberte
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: VIRUS REPLICATION
FILE REFERENCE: 400/04US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR FILING DATE: 2003-09-23

PRIOR FILING DATE: 2002-03-26

PRIOR FILING DATE: 2002-03-26

PRIOR PLING DATE: 2002-03-26

PRIOR PLING DATE: 2001-06-08

PRIOR PLING DATE: 2001-10-24

PRIOR PLING DATE: 2001-10-24

PRIOR PLING DATE: 2001-10-24

PRIOR PLING DATE: 2001-10-26

PRIOR PLING DATE: 2001-10-36

PRIOR PLING DATE: 2001-12-05

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2002-03-11

PRIOR PLING DATE: 2001-03-26

PRIOR PLING DATE: 2001-03-26

PRIOR PLING DATE: 2000-03-13

PRIOR PLING DATE: 2000-03-13

PRIOR PLING DATE: 2000-03-14

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2000-01-218

PRIOR PLING DATE: 2000-01-218

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2000-03-16

PRIOR APPLICATION NUMBER: US 09/504, 321

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2000-03-16

PRIOR PRIOR APPLICATION NUMBER: US 09/504, 321

PRIOR PLING DATE: 2000-03-16

PRIOR PLING DATE: 2001-03-06

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PRIOR APPLICATION NUMBER: US 09/504,321

PRIOR PILING DATE: 2000-02-15

Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207

SOFTWARE: Patentin version 3.0

LENGTH: 17
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME/KEY: misc_feature
| LOCATION:
| THER INDORMATION: oligonucleotide substrate
US-10-669-841-5016
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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APPLICANT: GU, Yizhong
APPLICANT: J', Yonggang
APPLICANT: J', Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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                                                                     GENERAL INFORMATION:

TITLE OF INVENTION: METHODS FOR DETECTION OF GENETIC
TITLE OF INVENTION: DISORDERS
FILE REFERENCE: 543312000420
CURRENT APPLICATION NUMBER: US/10/661,165
CURRENT FILING DATE: 2003-09-11
PRIOR FILING DATE: 2003-09-12
PRIOR FILING DATE: 2003-05-28
PRIOR FILING DATE: 2003-05-28
PRIOR FILING DATE: 2002-05-08
PRIOR FILING DATE: 2002-05-08
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2002-03-01
PRIOR APPLICATION NUMBER: US 60/360,232
PRIOR FILING DATE: 2003-03-01
PRIOR FILING DATE: 2003-09-29
PRIOR FILING DATE: 2003-09-29
PRIOR FILING DATE: 2003-09-29
NUMBER: OF SEQ ID NOS: 628
NUMBER: FEASTER FASTER FA
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; OTHER INFORMATION: These nucleotides may be absent US-10-661-165-72
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PRIOR APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/2036,359
PRIOR PLING DATE: 2000-10-04
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PRILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
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APPLICATION NUMBER: PCT/US01/00669
FILING DATE: 2001-01-30
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Publication No. US20040137589A1
GENERAL INFORMATION:
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    US20040137470A1
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APPLICANT: Reneth, Draper
APPLICANT: Reneth, Draper
APPLICANT: Riabeth, Roberte
TITLE OF INVENTION: OLIGONUCLECTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPA
TITLE OF INVENTION: OLIGONUCLECTIDE
TITLE OF INVENTION: OLIGONUCLECTIDE
TITLE OF INVENTION: OLIGONUCLECTION
FILE REFERENCE: 400/04202 (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US 1003-09-23
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR PELING DATE: 2001-10-24
PRIOR PELING DATE: 2001-10-24
PRIOR PELING DATE: 2001-10-25
PRIOR PELING DATE: 2001-10-26
PRIOR PELING DATE: 2001-20-20
PRIOR PELING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PELING DATE: 2000-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PELING DATE: 2000-03-31
PRIOR PELING DATE: 2000-03-31
PRIOR PELING DATE: 2000-03-16
PRIOR PELING DATE: 2000-03-31
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    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6713
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Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 6713, Application US/10669841
Publication No. US20040127446A1
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Lawrence, Blatt
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US-10-661-165-72/c
; Sequence 72, Application US/10661165
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                                                                                              437 AGGGCAGGCTGCTGCT 452
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ORGANISM: Artificial Sequence
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David, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lawrence, Blatt
Dennis, Macejak
Matches 14; Conservative
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
PILE REPERENCE: PB0105
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APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David R.

APPLICANT: CHEN Wensheng

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
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PRIOR PAPLICATION NUMBER: US 69/866,108

PRIOR PLILING DATE: 2001-05-25

PRIOR PELING DATE: 2000-10-65-26

PRIOR PELING DATE: 2000-10-65-26

PRIOR PELING DATE: 2000-10-04-30

PRIOR PELING DATE: 2000-10-04-30

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2:
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CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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Publication No. US20040137589A1
                                                                                                                                                                                                             Sequence 930, Application US/10723361
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                                                                                                                                                                                                                                                                               GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PHANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                      Publication No. US20040137589A
                                        16 CTGAGAGATCTGCTGG 1
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; ORGANISM: Homo sapiens
US-10-723-361-930
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APPLICANT: CHEN, Wencheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN PILE REFERENCE: PB0105
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 434
LENAM.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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CURRENT PELLING DATE: 2003-11-26
PRIOR PELLING DATE: 2003-11-26
PRIOR PELLING DATE: 2003-11-26
PRIOR FILING DATE: 2000-05-25
PRIOR PELLING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-05-26
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2001-01-04
PRIOR PELLING DATE: 2001-01-04
PRIOR PELLING DATE: 2001-01-30
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Publication No. US20040137589A1
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SEQ ID NO 1200
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                            2; Indels
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                                                                                                                                                         ; TYPE: DNA; ORGANISM: Homo sapiens US-10-723-361-1200
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CORGANISM: Homo sapiens
US-10-723-361-1201
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APPLICANT: CHEN, WEBERENG

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE OF INVENTION: HUMBER: US/10/723,361

CURRENT APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-00-04
PRIOR FILING DATE: 2000-00-07
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00665
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                           PRIOR PELLING DATE: 2001-09-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-10-04

PRIOR PELLING DATE: 2000-10-04

PRIOR PELLING DATE: 2000-10-30

PRIOR PELLING DATE: 2000-09-27

PRIOR PELLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PELLING DATE: APPLICATION NUMBER: PCT/US01/00665

PRIOR PELLING DATE: APPLICATION NUMBER: PCT/US01/00665
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: DI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
  PRIOR APPLICATION NUMBER: US 09/866,108
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; ORGANISM: Homo sapiens
US-10-723-361-932
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APPLICANT: GIV, Yizhong
APPLICANT: GIV, Yizhong
APPLICANT: GIV, Yizhong
APPLICANT: GIV, Yizhong
APPLICANT: BANK, Sharron G.
APPLICANT: FRANK, Sharron G.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, Mark
APPLICANT: SHANNON, Mark
APPLICANT: BANK
CURRENT APPLICATION: HUWBER: US/10/723,361
CURRENT APPLICATION: HUWBER: US/10/723,361
CURRENT APPLICATION NUMBER: US/10/25-35
PRIOR APPLICATION NUMBER: US/20/20-3-6
PRIOR PELING DATE: 2000-10-0-4
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PLING DATE: 2001-01-30
PRIOR PLING D
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR, FILING DATE: 2000-10-04
PRIOR, FILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2001-03-27
PRIOR PLING DATE: 2001-01-30
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87.5%; Pred. No. 3.9e+02;
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Publication No. US20040137589A1
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Best Local Similarity
Matches 14; Conserv
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                                                                                                                                                                                                                                                                                             Sequence 1417, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GJ, Yonggang
APPLICANT: PRNN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: GHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 1416
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PRIOR PLLING DATE: 2000-05-26
PRIOR PLLING DATE: 2000-10-04
PRIOR PLLING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PLLING DATE: 2000-09-27
PRIOR PLLING DATE: 2001-01-30
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
                                                                         Sequence 1416, Application US/10723361
Publication No. US20040137589A1
Publication No. US20040137589A1
APPLICANT: GU, Yizhong
APPLICANT: GI, Yorkong
APPLICANT: PENN Sharron G.
APPLICANT: PENN Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 138 GGCTGTGAAGGCACAA 153
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Gaps

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APPLICANT: GU, Yizhong
APPLICANT: UI, Yonggang
APPLICANT: DI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-723-361-1648/c

Sequence 1648, Application US/10723361

Sequence 1648, Application US/10723361

Sequence 1648, Application US/10723361

Sequence 1648, Application US/10723361

APPLICANT: GU, Yizhong

APPLICANT: JI, Yongaang

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: SHANNON, Mark

APPLICANT: SHANNON, Mark

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI

FILE REPERBUCE: P00105
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FILE NOT INVENTION: HOWAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY
CURRENT FILING DATE: 2003-11-26
FRIOR PELICATION NUMBER: US 90/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-010-04
PRIOR FILING DATE: 2000-09-27
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2001-01-04
PRIOR FILING DATE: 2001-01-03
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
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       No. US20040137589A1
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Best Local Similarity 87.5
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-1646
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UGS-10-723-361.1537

UGS-10-723-361.1537

PUBLication No. USZ004013758941

GENERAL INFORMATION:

APPLICANT: UT, Yonggang

APPLICANT: UT, Yonggang

APPLICANT: BRINN, Sharron G.

APPLICANT: HANZEL, DAVId K.

APPLICANT: RANK, DAVId K.

APPLICANT: RANK, DAVId K.

APPLICANT: RANK, DAVId K.

APPLICANT: RANK, DAVID K.

THILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEAFT AN FILE OF INVENTION: HUMAN WYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEAFT AN FILE OF INVENTION: HUMAN WYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEAFT AN FILE OF INVENTION: HUMAN WYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEAFT AN FILE REPERRINCE: PB0105

CURRENT FILING DATE: 2001-11-26

PRIOR PELLING DATE: 2001-01-26

PRIOR FILING DATE: 2000-00-25

PRIOR FILING DATE: 2000-00-25

PRIOR PELLING DATE: 2001-01-30

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3,96+02;
2;
                                                                                                                                                                                                                                                 Score 12.8; DB 1;
Pred. No. 3.9e+02;
0; Mismatches 2;
SOFTWARE: Aeomica Sequence Listing Engine
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Best Local Similarity 87.5%;
Matches 14; Conservative (
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Best Local Similarity 87.5
Matches 14; Conservative
                                                                                                                                  ; ORGANISM: Homo sapiens
US-10-723-361-1535
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                             SEQ ID NO 1535
LENGTH: 17
                                                                                                           TYPE: DNA
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Sequence 2301, Application US/10723361

Sequence 2301, Application US/10723361

Sequence 2301, Application US/10723361

Sequence 2301, Yalanon

Service 2301, Yalanon

Septicant involved the Company of Application No. US/200401375891

APPLICANT: GI, Yould K.

APPLICANT: HANZEL, David K.

APPLICANT: HANZEL, David K.

APPLICANT: CHEN, Wensheng

FRIOR FULING DATE: 2001-05-26

FRIOR FULING DATE: 2000-05-26

FRIOR FULING DATE: 2000-01-01-30

FRIOR FULING DATE: 2001-01-30

FRIOR APPLICANTION NUMBER: PCT/USO1/00669

FRIOR PLING DATE: 2001-01-30

FRIOR PLING DATE: 2001-01-30
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SOFTWARE: Aeomica Sequence Listing Engine
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                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                         2; Indels
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                                                                                                                                                           Score 12.8; DB 1;
Pred. No. 3.9e+02;
0; Mismatches 2;
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; Sequence 6545, Application US/10723361
; Publication No. US20040137589A1
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                       560 TGTGGCCAGGGCAC 575
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al Similarity 87.5%;
14; Conservative C
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                                                 sapiens
                                                                                                                                               Query Match
Best Local Similarity
Matches 14; Conserv
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; TYPE: DNA
; ORGANISM: Homo
US-10-723-361-2289
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LENGTH: 17
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APPLICANT: GU, Yizhong
APPLICANT: BINN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: GHEN, Wensheng
APPLICANT: GHEN, WENSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
CURRENT PILING DATE: 2001-01-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR PILING DATE: 2000-05-27
FRIOR PILING DATE: 2000-09-27
FRIOR PILING DATE: 2001-01-04
FRIOR PILING DATE: 2001-01-04
FRIOR PILING DATE: 2001-01-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
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FRIOR FILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR FILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/0066
FRIOR PLING FILING DATE: 2001-01-30
FRIOR PLING FILING DATE: 2001-01-30
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                                                                         PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00666
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 2289
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 1648
                                             FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
    APPLICATION NUMBER: US 60/236,359
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Publication No. US20040137589A1
GENERAL INFORMATION:
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; ORGANISM: Homo sapiens
US-10-723-361-1648
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APPLICANT: GARRALL INPORMATION:
APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: FIN, Sharron G.
APPLICANT: RINK, Sharron G.
APPLICANT: RANZEL, David R.
APPLICANT: RANZEL, David R.
APPLICANT: SHANKON, MARK
ITILE OF INVENTION HUMBER: US.
APPLICANT: GIRNNON, MARK
TILIE OF INVENTION WHERE: 2003-11-26
PRIOR APPLICATION NUMBER: US. 60/207, 456
PRIOR APPLICATION NUMBER: US. 60/207, 456
PRIOR APPLICATION NUMBER: US. 60/207, 456
PRIOR APPLICATION NUMBER: PT/USO1/00666
PRIOR APPLICATION NUMBER: PT/USO1/00666
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00667

PRIOR FILING DATE: 2001-01-30

PRIOR PELICATION NUMBER: PCT/US01/00664

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00665

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR POBLICATION NUMBER: PCT/US01/00668

PRIOR PILING DATE: 2001-01-30

PROMER APPLICATION NUMBER: PCT/US01/00668

PRIOR FILING DATE: 2001-01-30

PROMER OF SEQ ID NOS: 15755

SOFTWARE: Apemica Sequence Listing Engine

SEQ ID NO 6546
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Publication No. US20040137589A1
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; ORGANISM: Homo sapiens
US-10-723-361-6546
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ORGANISM: Homo sapiens
US-10-723-361-6915
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                                          APPLICANT: PENN, SHATCOL G.
APPLICANT: PENN, SHATCOL G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, MATK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PBO105
CURRENT APPLICATION NUMBER: US 90/866,108
PRIOR FILING DATE: 2000-10-22
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PLING DATE: 2001-01-30
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APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: P80105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,959
PRIOR APPLICATION NUMBER: PS 60/207,959
PRIOR APPLICATION NUMBER: PS 60/207,959
PRIOR APPLICATION NUMBER: PS 60/207,959
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6545
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Publication No. US20040137589A1
GENERAL INFORMATION:
GENERAL THORMATION:
APPLICANT: GI, Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
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                  JI, Yonggang
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ORGANISM: Homo sapiens
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US-10-723-361-6546/c
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## APPLICANT: CHEM WEARINGS
## APPLICANT: CHEM WEARINGS
## TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
## TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
## CURRENT APPLICATION: HUMAN WOBER: US/03-11-26
## CURRENT FILING DATE: 2001-05-26
## PRIOR FILING DATE: 2001-05-26
## PRIOR FILING DATE: 2000-10-05-26
## PRIOR FILING DATE: 2000-10-04
## PRIOR FILING DATE: 2000-10-09-27
## PRIOR FILING DATE: 2001-01-09-27
## PRIOR FILING DATE: 2001-01-09-27
## PRIOR FILING DATE: 2001-01-30
## PRIOR P
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REPERENCE: PB0105
CURRENT FILING DATE: 2003-11-26
PRIOR PAPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/U801/00666
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 7706
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Pred. No. 3.
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Best Local Similarity 87.5%;
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Homo sapiens
US-10-723-361-7706
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ITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
ILE REFERENCE: PB0105
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
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0
       Length 17;
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                                                                         Indels
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Mismatches
Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR PELLING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
PRIOR PELLING DATE: 2001-01-30
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CURRENT FILING DATE: 2003-11-26
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APPLICATION NUMBER: GB 24263.6
FILING DATE: 2000-10-04
APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
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Sequence 7706, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: FUN. Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT FILING DATE: 2003-11-26
PRIOR PRILICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
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Sequence 6917, Application US/10723361
Publication No. US20040137589A1
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Best Local Similarity 87.5%;
Matches 14; Conservative
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RANK, David R.
CHEN, Wensheng
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; ORGANISM: Homo sapiens
US-10-723-361-6917
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APPLICANT: HANZEL, David K.
APPLICANT: FEAN, SIATION G.
APPLICANT: APANEL, David K.
APPLICANT: APANEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
CURRENT APLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: US 60/216,359
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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SOFTWARE: Acomica Sequence Listing Engine
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Indels
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Best Local Similarity 87.5%; Pred, No. 3.9e+02;
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Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: FENN, Sharron G.
APPLICANT: FENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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Publication No. US20040137589A1
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                                                                         1067 ITGCCTTCCTCCATTG 1082
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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14; Conservative
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CORGANISM: Homo sapiens
US-10-723-361-8328
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APPLICANT: SHANNOW, MARK
TITLE REPERENCE: SHANNOW, MARK
TITLE REPERENCE: PB0105
CURRENT PAPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-00-27
PRIOR PLING DATE: 2000-10-130
PRIOR PLING DATE: 2001-01-30
PRIOR PLING D
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                           PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 7707
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Pred. No. 3.9e+02;
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APPLICATION NUMBER: PCT/US01/00664
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Publication No. US20040137589A1
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Best Local Similarity 87.5%;
Matches 14; Conservative (
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: HAN'S BARION G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA
CORGANISM: Homo sapiens
US-10-723-361-7707
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; ORGANISM: Homo sapiens
US-10-723-361-8327
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Best Local Similarity
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US-10-723-361-8327/c
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HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN

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APPLICANT: CHEN, WEBBERING
APPLICANT: CHEN, WEBBERING
APPLICANT: CHEN, WEBBERING
TITLE OF INVENTION: HUWAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PBOID OS
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR PAPLICATION NUMBER: GB 24263.6
FRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-06-26
FRIOR PELING DATE: 2000-09-27
FRIOR PELING DATE: 2000-09-27
FRIOR PELING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00668
FRIOR PELING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00668
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR PRICE POSTOR DATE: 2001-01-30
FRIOR PLING DATE: 
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PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 8152
LENGTH: 17
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Pred. No. 3.9e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
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Publication No. US20040137589A1
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87.5%; Pred
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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Best Local Similarity 87.54
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
CORGANISM: Homo sapiens
US-10-723-361-8352
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| Sequence 8152, Application US/10723361
| Sequence 8152, Application US/10723361
| Subblication No. US20040137589A1
| GENERAL INFORMATION:
| APPLICANT GU, YIZhong
| APPLICANT GU, YIZhong
| APPLICANT HANZEL, David R. |
| APPLICANT HANZEL, David R. |
| APPLICANT HANK, David R. |
| APPLICANT RANK, David R. |
| APPLICANT SHANNON, MARK |
| TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN |
| PILE REFERENCE: PRO105 |
| APPLICATION NUMBER: US/10/723,361 |
| CURRENT FILING DATE: 2001-05-25 |
| PRIOR FILING DATE: 2001-05-25 |
| PRIOR PLICATION NUMBER: US 60/207,456 |
| PRIOR PLICATION NUMBER: US 60/207,456 |
| PRIOR PLICATION NUMBER: US 60/2036,359 |
| PRIOR FILING DATE: 2000-09-27 |
| PRIOR PLICATION NUMBER: PCT/US01/00666 |
| PRIOR PLILING DATE: 2000-09-27 |
| PRIOR APPLICATION NUMBER: PCT/US01/00666 |
| PRIOR APPLICATION NUMBER: PCT/US01/00667 |
| PRIOR PLILING DATE: 2001-01-30 |
| PRIOR PRILING DATE: 2001-01-30 |
| PRIOR PRINCE P
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                                                                      CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT PILING DATE: 2003-11-26
PRIOR PEDICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 09/866,108
PRIOR PELICATION NUMBER: US 06/207,456
PRIOR PELING DATE: 2001-05-25
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-00-27
PRIOR PELING DATE: 2000-10-04
PRIOR PELING DATE: 2000-00-27
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR PELING DATE: 2001-01-30
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APPLICANT: RANK, bavid R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
IITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0102
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
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                                       PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2001-05-25

PRIOR FILING DATE: 2001-05-25

PRIOR FILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR APPLICATION NUMBER: BC7/US01/00666

PRIOR APPLICATION NUMBER: PC7/US01/00666

PRIOR APPLICATION NUMBER: PC7/US01/00666

PRIOR APPLICATION NUMBER: PC7/US01/00666

PRIOR APPLICATION NUMBER: PC7/US01/00667

PRIOR APPLICATION NUMBER: PC7/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PC7/US01/00669

PRIOR APPLICATION NUMBER: PC7/US01/00666

PRIOR APPLICATION NUMBER: PC7/US01/00668

PRIOR APPLICATION NUMBER: PC7/US01/00668
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ilarity 87.5%; Pred. No. 3.9e+02;
Conservative 0; Mismathhar
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PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR PLILING DATE: 2010-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PLILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PLING DATE: 2001-01-30
PRIOR PPLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2010-01-30
PRIOR FILING DATE: 2010-01-30
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Publication No. US20040137589A1
GENERAL INFORMATION:
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         2003-11-26
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-723-361-8928
         CURRENT FILING DATE:
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Best Local Similarity
Matches 14; Conserv
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LENGTH: 17
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APPLICANT: ANNY, David R.
APPLICANT: ARMK, David R.
APPLICANT: SANK, Wensheng
APPLICANT: SHEWNON, Mark
TITLE OF INTENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: P80105
CURRENT PELING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PRILING DATE: 2000-05-26
PRIOR PRILING DATE: 2000-00-04
PRIOR PELING DATE: 2000-00-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PELING DATE: 2001-01-30
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JSEQUENCE 8928, Application US/10723361

SEQUENCE 8928, Application No. US20040137589A1

SEQUENCE 8928, Application No. US20040137589A1

SERNEAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: FRANK, Sharron G.

APPLICANT: HANZEL, David K.

APPLICANT: SHANNON, Mark

APPLICANT: CHEN, Wensheng

APPLICANT: CHEN, CHEN
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Pred. No. 3.9e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                 Sequence 8362, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
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17 CACTITCTCCAGCTCC 2
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 14; Conserv
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0.8%; Score 12.8; DI
87.5%; Pred. No. 3.9e.
tive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9023, Application US/10723361
Publication No. US20040137589A1
GENERAL INFORMATION:
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                     T: GU, Yizhong
T: JI, Yonggang
T: PENN, Sharron G.
T: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 87.5
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-723-361-9021
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APPLICANT:
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APPLICANT:
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: PB0105
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                                               rior Application data removed - See File Wrapper or PALM
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SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 9020
LENGTH: 17
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                                                                                                                                                                                                                                                   B; DB 1;
3.9e+02;
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                                                                                                                                                                                                                                                                                                 0; Mismatches
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR FILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/2036,359
PRIOR PILING DATE: 2000-10-04
PRIOR PLING DATE: 2000-10-07
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
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Pred. No. 3.
                                           Remaining Prior Application data removed
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 9229
LENGTH: 17
PRIOR APPLICATION NUMBER: PCT/US01/00668
PRIOR FILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Particular of Application US/10723361 Publication No. US20040137589A1 GENERAL INFORMATION: 4 APPLICANT: GU, Yizhong APPLICANT: JI, Yonggang APPLICANT: PENN, Sharron G.
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Best Local Similarity 87.5%;
Matches 14; Conservative (
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ilarity 87.5%;
Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-8929
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; ORGANISM: Homo sapiens
US-10-723-361-9020
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Best Local Similarity
Matches 14; Conserv
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APPLICANT: CHEN, wensneng
APPLICANT: SHANNON, warsk
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
CURRENT APPLICATION NUMBER: US /09/66,108
REAR APPLICATION NUMBER: US 60/207,456
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REAR APPLICATION NUMBER: US 60/207,456
REAR REPLING DATE: 2000-05-26
REAR REPLING DATE: 2000-06-26
REAR REPLING DATE: 2000-09-27
REAR REPLING DATE: 2000-09-27
REAR REPLING DATE: 2000-09-27
REAR RELING DATE: 2001-01-30
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REAR RELING DATE: 2001-01-30
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TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REFERENCE: PB0105
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PRIOR FILING DATE: 2001-05-25
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APPLICANT: CHEN, WHENERED
APPLICANT: CHEN, WHENERED
APPLICANT: CHEN, WHENERED
APPLICANT: SHANNON, MARK
TITLE OF INTENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE OF INTENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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87.5%; Pred. No. 3.9e+02;
trive 0; Mismatches 2;
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Best Local Similarity 87.5%; Pred. No. 3.9e+02;
Matches 14; Conservative 0; Mismatches 2;
                                        SOFTWARE: Aeomica Sequence Listing Engine SEQ ID NO 9025
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 9829, Application US/10723361 Publication No. US20040137589A1 GENERAL INFORMATION:
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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NUMBER OF SEQ ID NOS: 15755
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CORGANISM: Homo sapiens
US-10-723-361-9829
                                                                                                                                                                                    TYPE: DNA; ORGANISM: Homo sapiens
US-10-723-361-9025
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Best Local Similarity
Matches 14; Conserv
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US-10-723-361-9830/c
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                                             PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.5
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2001-01-30
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PRIOR APPLICATION NUMBER: US 09/866,108

PRIOR PELING DATE: 2003-02-25

PRIOR PELING DATE: 2001-02-25

PRIOR PELING DATE: 2001-05-26

PRIOR PELING DATE: 2000-05-26

PRIOR PELING DATE: 2000-05-26

PRIOR PELING DATE: 2000-10-36

PRIOR PELING DATE: 2000-10-37

PRIOR PELING DATE: 2001-01-37

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30
               APPLICATION NUMBER: US 60/207,456
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CORGANISM: Homo sapiens
US-10-723-361-9023
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US-10-723-361-9025/c
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PRIOR FILING DATE: 2000-10-04

PRIOR PLICATION NUMBER: US 60/236,359

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLICATION NUMBER: PCT/US01/00667

PRIOR PLICATION NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PRIOR DATE: 2001-01-30

PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00668

PRIOR PRIOR SPECIAL SPEC
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APPLICANT: CARGILL, Michele et al.
TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: GENETIC POLYMORPHISMS OF DETECTION AND USES THEREOF
FILE REFERENCE: CL001500
CURRENT APPLICATION NUMBER: US/10/741,601
CURRENT FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 26415
SOFTWARE: FABLSEQ for Windows Version 4.0
SEQ ID NO 26208
LENGTH: 17
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TITLE OF INVENTION: GENETIC POLYMORPHISMS ASSOCIATED WITH
TITLE OF INVENTION: STENOSIS, METHODS OF DETECTION AND USES THEREOF
FILE REFERENCE: CLOOISOO
CURRENT APPLICATION NUMBER: US/10/741,601
CURRENT FILING DATE: AD3-12-22
NUMBER OF SEQ ID NOS: 26415
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Publication No. US20040166519A1
GENERAL INFORMATION:
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Publication No. US20040166519A1
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; ORGANISM: Homo sapiens
US-10-723-361-10672
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US-10-741-601-26208
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ÚS:10;741-601-26250/c
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: FENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: GHANNON, MAIK
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
ITILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
FILE REFERENCE: P80105
CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT PILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR APPLICATION NUMBER: US 06/207,456
PRIOR APPLICATION NUMBER: US 06/207,456
                                                                                                                   APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: DENN, Sharron G.
APPLICANT: PRNN, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: GRANK, Mencheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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SOFTWARE: Aeomica Sequence Listing Engine
SEQ 1D NO 9830
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CURRENT FILING DATE: 2003-11-26
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PLLING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-10-04
PRIOR PLILING DATE: 2000-09-27
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR PLILING DATE: 2001-01-30
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Publication No. US20040137589A1
            Sequence 9830, Application US/10723361 Publication No. US20040137589A1
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Best Local Similarity 87.5
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-723-361-9830
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JS-10-723-361-10672/c
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RESULT 658
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Publication No. US20040175722A1

GENERAL INFORMATION:

APPLICANT: KMIEC, ERIC B.

APPLICANT: WAN BRABANT, ANJA

TITLE OF INVENTION: OLIGONUCLEOTIDE-DIRECTED NUCLEIC ACID SEQUENCE ALTERATION

TITLE OF INVENTION NUMBER: US 60/453,360

PRIOR PELICATION NUMBER: US 60/453,360

PRIOR PELICATION NUMBER: US 60/416,983

PRIOR PELICATION NUMBER: US 60/416,983

PRIOR FILING DATE: 2002-10-07

NUMBER OF SEQ ID NOS: 4375

SEQ ID NO 1419

LENGTH. 17
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| Sequence 1420, Application US/10681074
| Publication No. UG20040175722A1
| GENERAL INFORMATION:
| APPLICANT: KAIEC, EBRIC B.
| APPLICANT: WAIN BRABANT: ANA
| TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
| TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
| TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR REDUCING SCREENING IN
| TITLE OF INVENTION: METHODS AND COMPOSITIONS
| TITLE OF INVENTION: OJIGONUCLEOTIDE-DIRECTED NUCLEIC ACID SEQUENCE ALTERATION
| FILE REFERENCE: NAPLO-10-04
| FILE REFERENCE: NAPLO-10-07
| PRIOR PELING DATE: 2003-03-07
| PRIOR PELING DATE: 2003-03-07
| PRIOR PELING DATE: 2003-10-07
| NUMBER OF SEQ ID NOS: 4375
| SOFTWARE: Patent In version 3.2
| LENGTH: 170
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SOFTWARE: FastSEQ for Windows Version 4.0 SEQ ID NO 26250
LENGTH: 17
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                                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-741-601-26250
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; ORGANISM: Homo sapiens
US-10-681-074-1419
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CORGANISM: Homo sapiens
US-10-681-074-1420
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Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 3.9e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                        Sequence 23, Application US/10699557

Sequence 23, Application US/10699557

Publication No. USCO040180357A1

GENERAL INFORMATION:

APPLICANT: Samuel Jotham Reich

APPLICANT: Enrico Maria Surace

APPLICANT: Michael J. Tolentino

TITLE OF INVENTION: INHEBITION OF HIF-1 ALPHA

FILE REFERENCE: 43826-0002US1

CURRENT APPLICATION NUMBER: US/10/699,557

CURRENT FILING DATE: 2003-10-31

PRIOR APPLICATION NUMBER: US 60/423,262

PRIOR PILING DATE: 2002-11-01

NUMBER OF SEQ ID NOS: 299

SEQ ID NOS: 299

SEQ ID NO 23

LENGTH: 17
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Job time : 12 secs
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                                                                                                      1399 CAGCGCACCGGCCCGG 1414
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US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B- US-09-371-772B-	US-09-476-387-4- US-09-827-998-7- US-09-827-998-7- US-09-827-998-7- US-09-827-998-7- US-09-827-998-7- US-09-866-108A-	US-09-866-108A- US-09-866-108A- US-09-866-108A- US-09-866-108A- US-09-866-108A- US-09-866-108A-	US-09-866-108A- US-09-866-108A- US-09-866-108A- US-09-866-108A-	US-09-866-108A-1 US-09-866-108A-1 US-09-866-108A-6 US-09-866-108A-6	US-09-866-108A-6 US-09-866-108A-6 US-09-866-108A-7 US-09-866-108A-7 US-09-866-108A-7	US-09-866-108A-8 US-09-866-108A-8 US-09-866-108A-8 US-09-866-108A-8 US-09-866-108A-8	US-09-866-108A-8929 US-09-866-108A-9020 US-09-866-108A-9021 US-09-866-108A-9023 US-09-866-108A-9023 US-09-866-108A-9829	US-09-866-108A-9 US-09-866-108A-1 5496924-10 US-08-985-162-18 US-09-504-132-11 US-09-401-063-18	US-09-874-601-115 US-08-182-968A-139 US-08-774-306A-139 US-08-585-684E-855 US-08-585-684E-1398	US-08-585-684B-1801 US-08-555-684B-1802 US-08-585-684B-1803 US-08-913-833-60 US-09-064-156A-139	US-09-018-073-1855 US-09-038-073-1801 US-09-038-073-1801 US-09-038-073-1802 US-09-580-73-1803 US-09-580-794C-60	US-09-474-432B-89 US-09-476-387-89 US-09-943-983C-60
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Sequence 2299, Ap Sequence 2300, Ap Sequence 6916, Ap Sequence 10673, A Sequence 10673, A Sequence 12, Appl Patent No. 5177307	Sequence 35, Appl Sequence 22, Appl Sequence 23, Appl Sequence 5, Appli Sequence 18, Appl Sequence 19, Appl	Sequence 5, Appli Sequence 1, Appli Sequence 7807, Appli Sequence 7807, Appli Sequence 1145, Appli	Sequence 534, Appl Sequence 561, Ap Sequence 53, Appl Sequence 53, Appl Sequence 770, App Sequence 2404, Appl	Sequence 4361, Ap Sequence 4362, Ap Sequence 949, App Sequence 2128, Ap	Sequence 2129, Ap Sequence 5311, Ap Sequence 370, App Sequence 6623, App	Sequence 1055, A Sequence 10675, A Sequence 10676, A Sequence 100, App Sequence 109, App Sequence 17, App Sequence 17, Appl Sequence 10, A	Sequence 17, Appl Sequence 53, Appl Sequence 3741, Ap Sequence 457, Appl Sequence 17, Appl Sequence 1508, Appl	Sequence 456, App Sequence 370, App Sequence 88, Appl Sequence 439, Appl Sequence 439, Appl Sequence 284, Appl	equence equence equence equence	ednence ednence ednence ednence	ednence ednence ednence ednence ednence	• • • •
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Sequence Sequence Sequence Sequence Sequence Sequence Patent No.	1 US-08-802-918-35 1 US-08-811-028-22 1 US-08-811-028-23 1 US-08-918-55 1 US-09-161-443-19 Sequence 1 US-09-161-443-19 Sequence	1 US-09-792-594-5 Sequence 1 US-09-806-254-1 Sequence 1 US-09-422-7760-10 Sequence 1 US-09-422-978-11445 Sequence 1 US-09-422-978-11445 Sequence	1 US-08-363-240A-534 Sequence 1 US-09-371-772B-5661 Sequence 1 US-09-479-005A-53 Sequence 1 US-08-985-162-370 Sequence 1 US-08-584-040-2404 Sequence	1 US-08-584-040-4361 Sequence 1 US-08-584-040-4362 Sequence 1 US-09-371-7728-949 Sequence 1 US-09-371-7728-949 Sequence	1 US-09-3/1-7/2B-463 Sequence 1 US-09-3/1-7/2B-463 Sequence 1 US-09-401-063-370 Sequence 1 US-09-461-108A-6623 Sequence 1 US-09-866-108A-6623 Sequence	1 US-09-886-108A-10675 Sequence 1 US-09-866-108A-10676 Sequence 1 US-09-404-912-100 Sequence 1 US-09-400-692-109 Sequence 1 US-08-588-558A-17 Sequence	1 US-09-76-449-17 Sequence 1 US-08-758-306-53 Sequence 1 US-08-584-040-3741 Sequence 1 US-09-474-432B-457 Sequence 1 US-09-535-012A-17 Sequence 1 US-09-371-772B-1508 Sequence	1 US-09-476-387-456 Sequence 1 US-09-304-232-370 Sequence 1 US-09-527-030G-88 Sequence 1 US-09-060-299-439 Sequence 1 US-09-402-923A-439 Sequence 1 US-08-379-081B-284 Sequence	1 US-08-390-850-455 Sequence 1 US-08-390-078-284 Sequence 1 US-08-462-894-35 Sequence 1 US-08-26-185-35 Sequence 1 US-08-206-185-35 Sequence	1 US-08-292-620A-1675 Sequence 1 US-08-292-620A-1675 Sequence 1 US-08-292-620A-1973 Sequence 1 US-08-843-951-5 Sequence 1 US-08-843-951-5 Sequence 1 US-08-843-951-5	1 US-08-945-654-9 1 US-08-945-654-9 1 US-08-998-099-50 Sequence 1 US-09-071-845-1675 Sequence 1 US-09-071-845-1692 Sequence 1 US-09-071-845-1973 Sequence	1 US-U9-Z/V-140A-40 Sequence 1 US-09-474-432B-448 Sequence 1 US-09-371-772B-2567 Sequence 5
17 1 US-09-866-108A-2299 Sequence 19 17 1 US-09-866-108A-2299 Sequence 19 17 1 US-09-866-108A-9024 Sequence 19 17 1 US-09-866-108A-10673 Sequence 17 1 US-09-866-108A-10673 Sequence 17 1 US-09-866-108A-10674 Sequence 19 17 1 US-09-866-108A-10674 Sequence 19 17 1 S177307-2 Sequence 19 17 1 S177307-2 Patent No. 19 1 US-08-805-918-34 Sequence	18 1 US-08-811-028-25 Sequence 18 1 US-08-811-028-22 Sequence 19 18 1 US-08-811-028-23 Sequence 19 18 1 US-08-78-458-5 Sequence 18 1 US-09-161-443-18 Sequence 18 1 US-09-161-443-19 Sequence	9 18 1 US-09-792-594-5 Sequence 9 18 1 US-09-806-254-1 Sequence 9 18 1 US-09-920-760-10 Sequence 9 18 1 US-09-422-978-7807 Sequence 9 18 1 US-09-422-978-11445 Sequence 9 0 1 US-09-422-978-11445 Sequence	9 15 1 US-08-363-240A-534 Sequence 9 16 1 US-09-371-772B-5661 Sequence 9 17 1 US-09-95-162-370 Sequence 9 17 1 US-08-985-162-370 Sequence 9 17 1 US-08-564-040-2404 Sequence	9 17 1 US-08-584-040-4361 Sequence 9 17 1 US-08-584-040-4362 Sequence 9 17 1 US-09-371-7728-949 Sequence 9 17 1 US-09-371-7728-2128 Sequence	9 17 1 US-09-371-772B-465 Sequence 9 17 1 US-09-371-772B-465 Sequence 9 17 1 US-09-371-772B-5311 Sequence 9 17 1 US-09-401-063-370 Sequence 9 17 1 US-09-866-108A-6623 Sequence	9 17 1 US-09-8866-108A-10675 Sequence 9 17 1 US-09-866-108A-10675 Sequence 9 17 1 US-09-866-108A-10676 Sequence 9 10 1 US-09-404-912-100 Sequence 9 20 1 US-09-490-692-109 Sequence 8 17 1 US-08-685-588A-17 Sequence	8 17 1 US-09-765-449-17 Sequence 8 17 1 US-08-758-3306-53 Sequence 8 17 1 US-08-584-040-3741 Sequence 8 17 1 US-09-474-4128-457 Sequence 8 17 1 US-09-535-012A-17 Sequence 8 17 1 US-09-335-012A-17 Sequence	8 17 1 US-09-476-387-456 Sequence 8 29 1 US-09-304-218-370 Sequence 8 16 1 US-09-527-0306-88 Sequence 8 16 1 US-09-060-299-439 Sequence 8 16 1 US-09-060-2938 Sequence 8 17 1 US-08-379-081B-284 Sequence	8 17 1 US-08-399-089-455 Sequence 8 17 1 US-08-452-894-35 Sequence 8 17 1 US-08-455-894-35 Sequence 8 17 1 US-08-435-634-455 Sequence 8 17 1 US-08-206-185-35 Sequence	17 1 US-08-202-620A-1675 Sequence 17 1 US-08-292-620A-1695 Sequence 17 1 US-08-292-620A-1693 Sequence 17 1 US-08-843-2951-5	8 17 1 US-08-945-654-9 Sequence 17 1 US-08-945-654-9 Sequence 17 1 US-08-9465-654-9 Sequence 17 1 US-09-071-845-1675 Sequence 17 1 US-09-071-845-1675 Sequence 17 1 US-09-071-845-1973 Sequence 17 1 US-09-071-845-1973 Sequence 17 1 US-08-584-040-5881 Sequence 17 1 US-08-584-040-5881 Sequence	1/ 1 US-US-Z/U-14UA-4U Sequence of the contract of the contrac
1 US-09-866-108A-2299 Sequence 1 US-09-866-108A-2300 Sequence 1 US-09-866-108A-6916 Sequence 1 US-09-866-108A-9024 Sequence 1 US-09-866-108A-10673 Sequence 1 US-09-866-108A-10674 Sequence 1 US-09-10-10750-12 Sequence 1 S177307-2 Patent No. US-08-805-918-34 Sequence	3.8 0.9 18 1 US-08-805-918-35 Sequence 3.8 0.9 18 1 US-08-811-028-22 Sequence 3.8 0.9 18 1 US-08-911-028-23 Sequence 3.8 0.9 18 1 US-08-978-55 Sequence 3.8 0.9 18 1 US-09-161-443-18 Sequence 3.9 0.9 18 1 US-09-161-443-18 Sequence	3.8 0.9 18 1 US-09-792-594-5 Sequence 3.8 0.9 18 1 US-09-806-254-1 Sequence 3.8 0.9 18 1 US-09-8020-7060-10 Sequence 3.8 0.9 18 1 US-09-422-978-7807 Sequence 3.8 0.9 18 1 US-09-422-978-11445 Sequence 3.8 0.9 18 US-09-422-978-11445 Sequence 3.8 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9 0.9	3.4 0.9 15 1 US-08-363-240A-534 Sequence 3.4 0.9 16 1 US-09-371-772B-5661 Sequence 3.4 0.9 16 1 US-09-479-005A-53 Sequence 3.4 0.9 17 1 US-08-985-162-370 Sequence 3.4 0.9 17 1 US-08-881-08-3404 Sequence 3.4 0.9 17 1 US-08-884-040-2404 Sequence	3.4 0.9 17 1 US-08-584-040-4361 Sequence 3.4 0.9 17 1 US-08-584-040-4362 Sequence 3.4 0.9 17 1 US-09-371-772B-949 Sequence 3.4 0.9 17 1 US-09-371-772B-949 Sequence	1.4 0.9 17 1 US-09-3/1-7/2B-463 Sequence 1.4 0.9 17 1 US-09-371-772B-463 Sequence 1.4 0.9 17 1 US-09-401-063-370 Sequence 1.4 0.9 17 1 US-09-866-108A-6623 Sequence 1.4 0.9 17 1 US-09-866-108A-6623 Sequence	4 0.9 17 1 US-09-866-108A-10675 Sequence 4 0.9 17 1 US-09-866-108A-10675 Sequence 4 0.9 17 1 US-09-866-108A-10676 Sequence 4 0.9 17 1 US-09-404-912-100 Sequence 5 0.8 17 1 US-09-490-692-109 Sequence 7 0.8 17 1 US-08-685-588A-17 Sequence	3.2 0.8 17 1 US-09-765-449-17 Sequence 13 0.8 17 1 US-08-758-306-53 Sequence 13 0.8 17 1 US-08-584-040-3741 Sequence 13 0.8 17 1 US-09-535-012A-17 Sequence 13 0.8 17 1 US-09-535-012A-17 Sequence 13 0.8 17 1 US-09-535-012A-17 Sequence 13 0.8 17 1 US-09-33-012A-17	3 0.8 17 1 US-09-476-387-456 Sequence 3 0.8 29 1 US-09-274-232-370 Sequence 8 0.8 16 1 US-09-527-0306-88 Sequence 9 0.8 16 1 US-060-299-439 Sequence 8 0.8 16 1 US-09-402-923A-439 Sequence 8 0.8 17 1 US-08-379-081B-284 Sequence	8 0.8 17 1 US-08-390-850-455 Sequence 0.8 17 1 US-08-8-379-078-284 Sequence 0.8 17 1 US-08-455-894-35 Sequence 0.8 17 1 US-08-435-634-455 Sequence 0.8 17 1 US-08-206-185-35 Sequence 0.8 17 1	3 0.8 17 1 US-08-292-620A-1675 Sequence 0.8 17 1 US-08-292-620A-1692 Sequence 0.8 17 1 US-08-292-620A-1693 Sequence 0.8 17 1 US-08-292-620A-1973 Sequence 0.8 17 1 US-08-843-951-5 Sequence 0.8 17 1 US-08-843-951-5 Sequence 0.9 17 1 US-08-843-951-5	0.8 17 1 US-08-945-654-9 0.8 17 1 US-08-998-099-50 0.8 17 1 US-09-071-845-1675 0.8 17 1 US-09-071-845-1675 0.8 17 1 US-09-071-845-1692 0.8 17 1 US-09-071-845-1692 0.8 17 1 US-09-071-845-1692 0.8 17 1 US-09-071-845-1693 0.8 17 1 US-09-071-845-1693 0.8 17 1 US-09-071-845-1693 0.8 17 1 US-09-071-845-1693 0.8 17 1 US-09-071-845-1693 0.9 17 1 US-09-071-845-1693 0.9 17 1 US-09-071-845-1873 0.9 17 1 US-09-071-84	3 0.8 1/ 1 US-09-2/0-140A-40 Sequence of the contract of the c

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NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin Ver. 2.0
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STATE: California
COUNTRY: U.S.A.
                                                           ; TYPE: DNA
; ORGANISM: human
US-09-165-042-30
                                 SEQ ID NO 30
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APPLICANT: Gelkers, Peter
TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
TITLE OF INVENTION: ACYLTRANSFERASE
FILE REFERENCE: 0575/56311
CURRENT APPLICATION NUMBER: US/09/165,042
CURRENT FILING DATE: 1998-10-01
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 25
LENGTH: 25
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US-09-165-042-30
| Sequence 30, Application US/09165042
| Sequence 30, Application US/09165042
| Patent No. 6100077
| GENERAL INFORMATION:
| APPLICANT: Scutley, Stephen L. APPLICANT: Oclkers, Peter | TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL | TITLE OF INVENTION: ACYLTRANSFERASE | TITLE OF INVENTION: ACYLTRANSFERASE | CURRENT APPLICATION UNMBER: US/09/165,042 | CURRENT FILING DATE: 1998-10-01
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                                                                                                 US-08-435-350-95
US-08-182-968A-66
US-08-182-36A-66
US-08-64-2270-15
US-08-64B-739
US-08-585-684B-739
US-08-586-684B-1771
US-08-586-684B-1772
US-09-038-073-739
US-09-038-073-1771
US-09-038-073-1771
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          TYPE: DNA
ORGANISM: human
                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 1
US-09-165-042-25
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APPLICANT: Fan, Jian Bing
APPLICANT: Fan, Jian Bing
APPLICANT: Chakravarti, Aravinda
APPLICANT: Chakravarti, Aravinda
APPLICANT: Case Western Reserve University School of Medicine
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: POJYMOTPHISMS Associated With
TITLE OF INVENTION: Hypertension
FILE REFERENCE: 018547-034210US
CURRENT FILING DATE: 1999-05-03
FARLIER FILING DATE: 1999-05-03
FARLIER FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 909
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 370
LENGTH: 29
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APPLICANT: Akhtar, Saghir
APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricial
APPLICANT: Fell, Patricial
APPLICANT: Makiggen, James
TITLE OF INVENTION: DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: TO ACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: Suite 4700
STREET: Suite 4700
     DB 1; Length 23;
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Query Match 1.5%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 3.4 Matches 23; Conservative 0; Mismatches
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US-08-985-162-1097/c
; Sequence 1097, Application US/08985162
; Patent No. 6057156
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US-09-3104-232-370
; Sequence 370, Application US/09304232
; Patent No. 6525185
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US-09-304-232-370
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JAPPLICANT: Farese, Robert
JAPPLICANT: Farese, Robert
JAPPLICANT: Brickson, Sandra
JAPPLICANT: Brickson, Sandra
JAPPLICANT: Brickson, Sandra
JITLE OF INVENTION: Transferase (ACAT-2)
JITLE OF INVENTION: Transferase (ACAT-2)
JETRE REFERENCE: 6510-1040418
CURRENT APPLICATION NUMBER: US/09/328,857A
JETOR PRIOR APPLICATION NUMBER: 60/090,354
JETOR APPLICATION NUMBER: 60/090,354
JETOR RILING DATE: 1998-06-23
NUMBER OF SEQ ID NOS: 8
JETOR FILING BATE: PROBLEM NOS: 8
JETOR FILING BATE: PROBLEM NOS: 8
JETOR FILING BATE: LABOR FOR WINDOWS VERSION 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 27;
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1.4%; Score 21.2; D
Best Local Similarity 85.2%; Pred. No. 11;
Matches 23; Conservative 0; Mismatches
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REJECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEFHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: 67-3510
INFORMATION FOR SEQ ID NO: 1097:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 7, Application US/09328857A
Patent No. 6579974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 8, Application US/09328857A; Patent No. 6579974; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TCTTCTATCCCGTCATGCTG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                      LENGTH: 27 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: primer US-09-328-857A-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-401-063-1097
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 7
US-09-328-857A-8/c
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1.4%; Score 21.2; DB 1; Length 27;
Best Local Similarity 85.2%; Pred. No. 11;
Matches 23; Conservative 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GENERAL INFORMATION:
APPLICANT: Akhtar, Saghir
APPLICANT: Rell, Patricia
APPLICANT: Bell, Patricia
APPLICANT: Bell, Patricia
TITLE OF INVENTION: DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: FACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           OTHER INFORMATION: The letter "N" stands for the stem OTHER INFORMATION: II region of a HH ribozyme.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/06/985,162
FILING DATE: 04 December 1997
CILLING DATE: 13 January 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 33,327
TELEPHONE: (213) 489-1600
TELLEFAX: (213) 955-0440
TELLEFAX: (213) 955-0440
TELLEFAX: 67-3510
INFORMATION FOR SEQ ID NO: 1097:
SEQUENCE CHARACTERISTICS:
LENGTH: 27 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CITY: LOS ANGELES
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STOTAGE
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
FILING DATE:
CLASSIPICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             302 AGAAAGITITCAICAICGCAAGICCC 328
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; Sequence 1097, Application US/09401063
; Patent No. 6623962
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Gaps

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1103326-052
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                                                                                                                                                                                                                                                                                ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE: 19-MAR-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: primer US-09-328-857A-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               STATE: New York
                                                                                                                                                                                                            SEQ ID NO 5
LENGTH: 24
                                                                                                                                                                                                                                                             TYPE: DNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Farese, Sylvaine, APPLICANT: Farese, Robert, APPLICANT: Farese, Robert, APPLICANT: Erckson, Sandra, Sabine, APPLICANT: Descriptions, Sandra, TITLE OF INVENTION: No. 6579974e1 Acyl CoA:Cholesterol Acyl TITLE OF INVENTION: Transferase (ACAT-2); FILE REFERENCE: 6510-1104/US (ACAT-2); FILE REFERENCE: 6510-1104/US (ACAT-2); CURRENT APPLICATION NUMBER: 1999-06-08; PRIOR APPLICATION NUMBER: 60/090,354; PRIOR APPLICATION NUMBER: 60/090,354; PRIOR APPLICATION NUMBER: 60/090,354; PRIOR SEQ ID NOS: 8

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastESQ for Windows Version 4.0

LENGTH: 26
APPLICANT: Farese, Robert

APPLICANT: Farese, Robert

APPLICANT: No. 6579974ak, Sabine
APPLICANT: Exickon, Sandra

TITLE OF INVENTION: Transferase (ACAT-2)
FILER REFERENCE: 6510-104081
CURRENT APPLICATION UNBER: US/09/328,857A

CURRENT FILING DATE: 1999-06-08

PRIOR APPLICATION NUMBER: 60/090,354

PRIOR FILING DATE: 1998-06-23

NUMBER OF SEQ ID NOS: 8

SOFTWARE: FastSEQ for Windows Version 4.0

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.2%; Score 19.6; DB 1; Length 26; 84.6%; Pred. No. 20; tive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.3%; Score 20; DB 1; Length 20; nilarity 100.0%; Pred. No. 9; Conservative 0; Mismatches 0; Indels
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Patent No. 6579974
GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Farese, Robert
APPLICANT: No. 6579974ak, Sabine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6, Application US/09328857A
Patent No. 6579974
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    20 GGAACGTGCTGATGTGGACC 1
                                                                                                                                                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
PEATURE:
OTHER INFORMATION: primer
US-09-328-857A-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        22; Conservative
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Best Local Similarity
Matches 20; Conserva
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US-09-328-857A-6
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Matches
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APPLICANT: Erickson, Sandra
TITLE OF INVENTION: No. 6579974e1 Acyl CoA:Cholesterol Acyl
TITLE OF INVENTION: Transferase (ACAT-2)
TITLE OF INVENTION: Transferase (ACAT-2)
CURRENT APPLICATION NUMBER: US/09/328,857A
CURRENT PILING DATE: 1999-06-08
PRIOR APPLICATION NUMBER: 60/090,354
PRIOR FILING DATE: 1998-06-23
RIMBER OF SEQ ID NOS: 8
SOFTWARE: FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 24;
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CUUNTRY: United States
ZIP: 10036-2787
COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPUTER: IBM PC COMPATIBLE
COMPARE: PATENTIN PATE:
APPLICATION NUMBER: US/08/068,945A
FILING DATE: 27-MAY-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: SE 9201809-2
FILING DATE: 11-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9201826-6
FILING DATE: 12-JUN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 9202088-2
FILING DATE: 12-JUN-1992
PRIOR APPLICATION NUMBER: SE 9202088-2
FILING DATE: 03-JUL-1992
PRIOR APPLICATION NUMBER: SE 9202088-2
FILING DATE: 03-JUL-1992
PRIOR APPLICATION NUMBER: SE 9202088-2
FILING DATE: 03-JUL-1992
PRIOR APPLICATION NUMBER: SE 920208-5
FILING DATE: 03-JUL-1992
APPLICATION NUMBER: SE 9300902-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.2%; Score 18.2; D
Best Local Similarity 87.0%; Pred. No. 30;
Matches 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Callsson, Peter
APPLICANT: Enerback, Sven
APPLICANT: Hansson, Lennart
APPLICANT: Lidberg, Ulf
APPLICANT: Nilsson, Jeanette
APPLICANT: Tornell, Jan
APPLICANT: Tornell, Jan
APPLICANT: Tornell, Jan
APPLICANT: Tornell, New DNA Sequences
NUMBER OF SEQUENCES: 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CORRESPONDENCE ADDRESS:
ADDRESSEE: White & Case
STREET: 1155 Avenue of the Americas
CITY: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         749 CIGIGCCIGGGAICCTICGIGCC 771
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; Sequence 10, Application US/08068945A
Patent No. 5616483
; GENERAL INFORMATION:
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US-09-422-978-11729
           TELEPHONE:
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5455029-28
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/442,806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Hansson, Lennart
APPLICANT: Lidberg, Ulf
APPLICANT: Nilsson, Jeanette
APPLICANT: Nilsson, Jeanette
APPLICANT: Tornell, Jan
TITLE OF INVENTION: Genomic DNA Sequences
TITLE OF INVENTION: Encoding Human BSSL/CEL
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 1.1%; Score 16.8; D
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STREET: 1155 Avenue of the Americas CITY: New York STATE: New York COUNTRY: United States ZIP: 10036-2787 COMPUTER READABLE FORM: COMPUTER READABLE FORM: COMPUTER: IBM PC compatible COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NAME: Sterner, Richard J.
REGISTRATION NUMBER: 35,372
REFERENCE/DOCKET NUMBER: 1103326-052
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION AND ADDITION AND ADDITION: 435
FILING DATE: 27-MAY-1993
CLASSIFICATION DATA:
APPLICATION NUMBER: SE 9201809-2
FILING DATE: 11-UN-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: SE 920186-6
FILING DATE: 12-UN-1992
PRIOR APPLICATION NUMBER: SE 9202088-2
FILING DATE: 03-UL-1992
PRIOR APPLICATION NUMBER: SE 9202088-2
FILING DATE: 19-MAR-1993
ATTORNEY/AGENT INFORMATION:
WANTON ATTORNEY/AGENT INFORMATION ATTORNEY/AGENT INF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1050 GCTGCTGCTCATCTTTG 1069
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 10, Application US/08442806
Patent No. 5716817
GENERAL INFORMATION:
APPLICANT: Bjursell, Gunnar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21 GCTGCTGCCCATCTTCTTGG 2
TELECOMMUNICATION INFORMATION:
                                                                                                             10:
                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Bjursell, Gunnar
Carlsson, Peter
                               TELEPHONE: (212)819-8783
TELERAX: (212)354-8113
INPORMATION FOR SEQ ID NO: 10
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enerback, Sven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: White & Case
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 11
US-08-442-806-10/c
                                                                                                                                                                                                                                                                                                                                                                            US-08-068-945A-10
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APPLICANT:
APPLICANT:
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Sequence 11729, Application US/09422978

Fatent No. 6537751

GENERAL INFORMATION:

APPLICANT: Chem, Daniel

APPLICANT: Chumakov, Ilya

APPLICANT: Chumakov, Ilya

TITLE OF INVENTION BIAllelic markers for use in constructing a high density...

FILE REFERENCE: GENEST: 020CP1

CURRENT FILING DATE: 1999-10-20

EARLIER APPLICATION NUMBER: US 09/298,850

EARLIER APPLICATION NUMBER: US 09/298,850

EARLIER PILING DATE: 1999-04-21

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-11-23

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21

EARLIER FILING DATE: 1998-04-21
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; Patent No. 5455029
; APPLICANT: HARTWAN, JACOB R.; OPPENHEIM, AMOS B.; GORECKI,
; MARIAN, AVIV, HAIM; OFEN, RACHEL
; A ITILE OF INVENTION: THERAPEUTIC COMPOSITIONS COMPRISING
; A MIXTURE OF HUWAN CUZN SUPERCXIDE DISMUTASE ANALOGS
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/933,500
; FILING DATE: 21-AUG-1992
; PRIOR APPLICATION DATA:
; APPLICATION DATA:
; APPLICATION NUMBER: 449,125
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DB 1; Length 21;
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                                                                                                                                                                                                                                                                            Query Match
1.1%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 41;
Matches 18; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.1%; Score 16.8; D 90.0%; Pred. No. 41; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                         1050 GCTGCTGCTCATCTTTG 1069
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 08-DEC-1989
APPLICATION NUMBER: 202,238
FILING DATE: 03-UN-1988
APPLICATION NUMBER: 897,056
FILING DATE: 14-AUG-1985
FILING DATE: 19-AUG-1985
FILING DATE: 19-AUG-1985
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICATION NUMBER: 644,245
FILING DATE: 27-AUG-1984
                                                                                                                                                                                            MOLECULE TYPE: DNA (genomic)
TELEFAX: (212)354-8113
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                               TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                        linear
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Gape
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Patent No. 598558
GENERAL INFORMATION:
APPLICANT: Mirablia, Brenda F. Baker
APPLICANT: Mirablia, Brenda F. Baker
TITLE OF INVENTION: Compositions and Methods for the Modulation of
TITLE OF INVENTION: Activating Protein 1
NUMBER OF SEQUENCES: 139
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gapa
                                    FEATURE:

3 OTHER INFORMATION: Description of Artificial Sequence: PCR Primer

US-09-492-361-37
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                                                                                                                        DB 1; Length 21;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIP: 08053
ZIP: 08053
ZOMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PS/2
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/837,201C
FILING DATE: April 14, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Law Offices of Jane Massey Licata STREET: 66 East Main Street CITY: Marlton
                                                                                                                        1.0%; Score 16.2; D
85.7%; Pred. No. 52;
cive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.8; E
Pred. No. 56;
0; Mismatches
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                                                                                                                                                                                                         434 ATGAGGCAGGCTGCTGCTGG 454
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFRENCE/DOCKET NUMBER: 1SPH-
TELECOMMUNICATION INFORMATION:
TELEFAX: (609) 810-1515
TELEFAX: (609) 810-1515
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             627 GGTGCTCTGCGCGCTGCCG 645
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TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 89.5%
Matches 17; Conservative
                                                                                                                        Query Match
Best Local Similarity 85.77
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: Nucleic Acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TOPOLOGY: Linear ANTI-SENSE: Yes
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                                                                                                                                                                                                                                                                                                                               US-08-837-201C-100
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STATE: NJ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COUNTRY:
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                                                                                                                        NAME/KEY: primer_bind
LOCATION: 1.:20
. DOCATION: 1.:20
. OTHER INFORMATION: downstream amplification primer 99-3894 for SEQ 3864, in compleme US-09-422-978-11729
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Patent No. 6794161
GENERAL INFORMATION:
APPLICANT: JENTSCH, Thomas J.
TITLE OF INVENTION: NOVEL POTASSIUM CHANNELS AND GENES ENCODING THESE TITLE OF INVENTION: POTASSIUM CHANNELS
FILE REFERENCE: 2815-127P
                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                          Score 16.4; DB 1; Length 20; Pred. No. 43; 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Lander, Eric S.
APPLICANT: Cargill, Michele
APPLICANT: Treland, James S.
APPLICANT: Daley, George Q.
APPLICANT: Bolk, Stacey
APPLICANT: MCARTCHY, Jamestte J.
TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
FILE REPRENCE: 2825.1027-001
CURRENT APPLICATION NUMBER: US/09/657,472
CURRENT FILING DATE: 2000-09-07
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 21,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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85.7%; Pred. No. 52;
ive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: US 60/153,357
PRIOR FILING DATE: 1999-09-10
PRIOR PILING DATE: 1999-09-10
PRIOR PILING DATE: 2000-07-26
PRIOR PILING DATE: 2000-07-26
PRIOR PILING DATE: 2000-08-16
NUMBER OF SEQ ID NOS: 2551
SOFTWARE: FastSEQ for Windows Version 4.0
SENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/492,361
CURRENT FILING DATE: 2000-01-27
NUMBER OF SEQ ID NOS: 41
SOFTWARE: Patentin Ver. 2.1
SEQ ID NO 37
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 700, Application US/09657472
Patent No. 6727063
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                                                                                                                                                                                                                               1.0%;
                                                                                                                                                                                                                        1.0%
Best Local Similarity 94.44
Matches 17; Conservative
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 11729
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18; Conservative
                                                            TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
ORGANISM: Homo sapiens
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Matches 18; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
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US-09-492-361-37
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DB 1; Length 20;
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Patent No. 6346398

GENERAL INFORMATION:
APPLICANT: Pavoco, Pamela
APPLICANT: Pavoco, Pamela
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                               1.0%; Score 15.8; D
89.5%; Pred. No. 56;
cive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 10, Application US/09971843
Fatent No. 6544505
GENERAL INFORMATION:
APPLICANT: CONKIN, Darrell C.
APPLICANT: Rixon, Mark W.
APPLICANT: Rixon, Mark W.
APPLICANT: Kindavogel, Wayne
TITLE OF INVENTION: Interferon-epsilon
FILE REFRENCE: 89-46D1
CURRENT APPLICATION NUMBER: US/09/971,843
CURRENT FILING DATE: 2001-10-04
PRIOR PILING DATE: 1998-09-18
PRIOR FILING DATE: 1999-02-05
PRIOR FILING DATE: 1999-02-05
PRIOR FILING DATE: 1999-02-05
PRIOR FILING DATE: 1999-07-08
PRIOR FILING DATE: 1999-09-16
NUMBER OF SEQ ID NOS: 33
LENGTHARE: PASESEQ for Windows Version 3.0
SEG ID NO 10
                                                                                                                                                                                                                                                                                                292 CTGGGGAAACAGAAAGTTT 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    292 CTGGGGAAACAGAAGTTT 310
                                                                                                                                                                                                                                                                                                                                              19 CTGAGGAAGCAGAAAGTTT 1
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                                             TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                              FEATURE:
COTHER INFORMATION: PCR primer
US-09-397-992A-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ) OTHER INFORMATION: PCR primer US-09-971-843-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                       Query Match
Best Local Similarity 89.5'
Matches 17; Conservative
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Best Local Similarity 89.5'
Matches 17; Conservative
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SEQ ID NO 10
LENGTH: 20
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            GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
APPLICANT: Miraglia; Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
TITLE OF INVENTION: Activating Protein 1
NUMBER OF SEQUENCES: 139
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                           COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.0%; Score 15.8; D
Best Local Similarity 89.5%; Pred. No. 56;
Matches 17; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   NAME: Jane Massey Licata
REGISTRATION UNWBER: 32,257
REFRENCE/DOCKET NUMBER: 1SPH-0209
TELEPROMUNICATION INFORMATION:
TELEPHONE: (609) 810-1515
TELEPHONE: (609) 810-1515
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              NUMBER OF SEQ ID NOS: 33
SOFTWARE: FastSEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/364,416
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/837,201
FILING DATE: APril 14, 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GENERAL INFORMATION:
APPLICANT: CORLIN, Darrell
APPLICANT: Grant, Francis J.
APPLICANT: Rixon, Mark W.
APPLICANT: Rixon, Mark W.
TITLE OF INVENTION: Interferon-epsilon
FILE REFERENCE: 98-46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 18
US-09-397-992A-10/c
Sequence 10, Application US/09397992A
; Patent No. 6329175
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                                                                                                                                                                                                                                                                                                                                                                                                                                          WINDOWS 95
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: Nucleic Acid
STRANDEDNESS: Single
                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PS/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TOPOLOGY: Linear
ANTI-SENSE: Yes
                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM:
                                                                                                                                                                                                                                        STREET: 66 East
CITY: Marlton
STATE: NJ
                                                                                                                                                                                                                                                                                                                     USA
                                                                                                                                                                                                                                                                                                                                         08053
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                                                                                                                                                                                                                                                                                                                  COUNTRY:
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Sequence 1579, Application US/09371772B
; Sequence 1579, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Stinchcomb, Dan
    APPLICANT: Stinchcomb, Dan
    APPLICANT: Stinchcomb, Dan
    APPLICANT: Stinchcomb, Dan
    APPLICANT: Bacobedo, Jaime
    APPLICANT: APPLICANTON NUMBER: US/09/371,772B
    CURRENT FILING DATE: 1999-08-10
    PRIOR APPLICATION NUMBER: US 08/584,040
    PRIOR APPLICATION NUMBER: US 08/584,040
    PRIOR APPLICATION NUMBER: US 08/584,040
    NUMBER OF SEQ ID NOS: 14225
    SOFTWARE: PatentIn version 3.0
    SEQ ID NO 1579
    LENGTH. 1779
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APPLICANT: Bacco, Pam
APPLICANT: Bacco, Pam
APPLICANT: Bacco, Dam
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Scobedo, Jaime
APPLICANT: Scobedo, Jaime
APPLICANT: Scobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
FILE REPERENCE: MHHBO, 976-J (237/198)
CURRENT APPLICATION NUMBER: US 60/005, 974
PRIOR APPLICATION NUMBER: US 60/005, 974
PRIOR APPLICATION NUMBER: US 60/005, 974
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SCHTWARE PARENT 
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94.1%; Pred. No. 46
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 6203, Application US/09371772B abstent No. 6566127 GENERAL INFORMATION APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                 668 AGCTCCCGCCGGCCTCC 684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  120 ATGGACCCGACACATGG 136
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                                                                                                                                                                                                                      Best Local Similarity 94.1
Matches 16; Conservative
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                                        TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
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Matches 16; Conserv
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US-09-371-772B-1579/c
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US-09-371-772B-6203/c
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                                                                                        ; ORGANISM: HOMO
US-09-474-432B-350
           LENGTH: 17
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APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
APPLICANT: Beaudry, Amer
APPLICANT: Karpeisky, Alex
APPLICANT: Karpeisky, Alex
APPLICANT: Sweedler, David
APPLICANT: Unumber: US 09/474,432B
CURRENT APPLICATION NUMBER: US 60/064,866
PRIOR PILING DATE: 1999-12-19
PRIOR PILING DATE: 1998-04-29
PRIOR PLING DATE: 1998-04-29
PRIOR PLING DATE: 1998-04-28
PRIOR FILING DATE: 1998-04-28
PRIOR FILING DATE: 1999-04-28
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Pred. No. 46;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION 514
PRIOR APPLICATION 517
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                  ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-040
TELEFAX: (213) 955-040
TELEFAX: (213) 955-040
INFORMATION FOR SEQ ID NO: 3812:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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; Sequence 350, Application US/09474432B
; Patent No. 6528640
SEE: Lyon & Lyon
: 633 West Fifth Street
: Suite 4700
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1.0%; Sc
Best Local Similarity 94.1%; Pr
Matches 16; Conservative 0;
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 350
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STRANDEDNESS: single
                                                                                                              CITY: Los Angeles
STATE: California
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           ADDRESSEE:
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PRICANT NO. 686188

APPLICANT: JI, YONGGANG
APPLICANT: JI, YONGGANG
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, PENN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
FILIS REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US/05/26
FRIOR PILING DATE: 2001-05-26
FRIOR PELING DATE: 2000-05-26
FRIOR PELING DATE: 2000-09-27
FRIOR PELING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
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PRIOR FILING DATE: 2000-05-26

PRIOR APPLICATION NUMBER: GB 24263.6

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 15.4; D; 94.1%; Pred. No. 46; cive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Patent 6626, Application US/09866108A Patent No. 6686188
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Best Local Similarity 94.1:
Matches 16; Conservative
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US-09-866-108A-6625
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APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Sweedler, Dave
APPLICANT: Sweedler, Dave
APPLICANT: Sweedler, Dave
APPLICANT: Stanen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFRENCE: MBHB00-81J-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT APPLICATION NUMBER: 09/474,432
PRIOR PILING DATE: 1999-12-29
PRIOR PILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-11-04
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 1999-12-09
PRIOR FILING DATE: 1999-11-04
PRIOR FILING DATE: 1999-11-04
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 349
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongqang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AROMICA-7
                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                        Query Match 1.0%; Score 15.4; DB 1; Length 17; Best Local Similarity 94.1%; Pred. No. 46; Matches 16; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6625, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 349, Application US/09476387
Patent No. 6617438
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                                                                                                                                                                                                                                                                                              121 TGGACCCGACACATGGA 137
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1 Similarity 94.1%;
16; Conservative
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                                                  ; ORGANISM: Homo sapiens
US-09-371-772B-6203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
CORGANISM: Homo sapiens
US-09-476-387-349
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Best Local Similarity
Matches 16; Conserv
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US-09-476-387-349/c
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US-09-866-108A-6625
              ; TYPE: RNA
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TYPE: DNA
ORGANISM: Homo sapiens
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US-08-469-260A-99/c
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR APPLICATION NUMBER: US 60/2036
FRIOR APPLICATION NUMBER: GB 24263.6
FRIOR PILING DATE: 2000-10-04
FRIOR PELING DATE: 2000-10-07
FRIOR PELING DATE: 2001-01-30
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NUMBER OF SEQ ID NOS: 15755
FILING DATE: 2001-01-30
ning Prior Application data removed - See File Wrapper or PALM
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                                                                                                                                                                                                                                                                                                                                    DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                               1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
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Pred. No. 46
                                                                                                                                                                                                                                                                                                                                    Score 15.4;
Pred. No. 4
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Patent No. 6686188
SEQ ID NO 6627
                                                                                           omica Sequence Listing Engine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        6627, Application US/09866108A
). 6686188
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                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
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Best Local Similarity 94.1%;
Matches 16; Conservative
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                                                                                                                                                         TYPE: DNA; ORGANISM: Homo sapiens
US-09-866-108A-6626
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANDON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: ABOMICA-7
CURRENT PELLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-26
PRIOR PELLING DATE: 2000-00-40
PRIOR PELLING DATE: 2000-00-07
PRIOR PELLING DATE: 2000-00-07
PRIOR PELLING DATE: 2000-00-07
PRIOR PELLING DATE: 2001-01-30
PRIOR PELLIN
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Mismatches
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4.1%; Pred. No. 46
Sequence 6628, Application US/09866108A
Patent No. 6686188
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THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 99, Application US/08469260A Patent No. 6451578
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TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       24 GCGTCTGCAGAGACAG 40
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SHERI L. BUIJK
ISA K. MUSHAHWAR
                                                                   APPLICANT: GU, YIZHONG
APPLICANT: GU, YONGGANG
APPLICANT: JI, YONGGANG
TITTANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                           RANK, David R.
CHEN, Wensheng
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APPLICANT: JOHN W. SIMONS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: SURESH M. DESAI
APPLICANT: HOMAS P. LERRY
APPLICANT: ANTHONY SCOTT WUERHOFF
APPLICANT: SHERI L. BUJUK
APPLICANT: SHERI L. BUJUK
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,446
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: ABBOTT LABORATORIES D377/AP6D STREET: 100 ABBOTT PARK ROAD CITY: ABBOTT PARK STATE: 1L
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.0%; Score 15.4; D 94.1%; Pred. No. 66; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ATTORNEY/AGENT INFORMATION:
NAME: POREMBEKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFRAX: 708-938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REBULT: 34
US-08-467-344A-99/C
US-08-467-344A-99/C
Sequence 99, Application US/08467344A
Patent No. 6586568
GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/424,550
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STAIL:
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIBLE
COMPUTER: TRM PC COMPALIBLE
COMPANDER: TRM PC COMPALIBLE
TRM PC COMPANDER:
TRM PC POSS/MS-DC
                                                                                                            Sequence 99, Application US/08488446 Patent No. 6558898
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1476 CTGCCAGGAGTGGTACG 1492
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Best Local Similarity 94.1<sup>†</sup>
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    linear
                                                          RESULT 31
US-08-488-446-99/c
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APPLICANT: Lex M. COWSERT
APPLICANT: Lex M. COWSERT
APPLICANT: Brett P. Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 8 EXPRESSION
TITLE REFERENCE: RTS-0246
CURRENT APPLICATION NUMBER: US/09/920,668
CURRENT PILING DATE: 2001-08-01
NUMBER OF SEQ ID NOS: 49
SEQ ID NO 17
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Indels
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE NUMBER OF SEQUENCES: 716
CORRESPONDENCES: ADDRESS: ADDRESSE: ABBOTT LABORATORIES D377/AP6D
CITY: ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: 1L
                                                                                                                                                                         COUNTRY: USA

ZIP: 60064-3500
COMPUTER READBLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/469,260A
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION
PRIOR APPLICATION NUMBER: US/08/424,550
FILING APPLICATION NUMBER: US/08/424,550
FILING APPLICATION NUMBER: S527.PC.01
REGISTRATION NUMBER: 33,207
REGISTRATION NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: Antisense Oligonucleotide US-09-920-668-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
1.0%; Score 15.4; D
Best Local Similarity 94.1%; Pred. No. 66;
Matches 16; Conservative 0; Mismatches
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; Sequence 17, Application US/09920668
; Patent No. 6482644
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA (genomic)
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-469-260A-99
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Gaps

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ORGANISM: Artificial Sequence FEATURE:
                                   ) OTHER INFORMATION: PRIMER US-09-689-012-9
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                                                                                                ISSA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
REAGENTS AND METHODS FOR THEIR USE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                          COMPUTY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/467,344A
FILING DATE: 07-Jun-1995
CLASSIFICATION: <UNKNOWN>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 9, Application US/09689012
Patent No. 6670135
GENERAL INFORMATION:
APPLICANT: Spriggs, Melanie K.
TITLE OF INVENTION: NOVEL SEMAPHORIN POLYPEPTIDES
FILE REPREBRICE: 263-40S
CURRENT APPLICATION NUMBER: US/09/689,012
CURRENT FILING DATE: 2000-10-12
PRIOR APPLICATION NUMBER: US/US9/09831
PRIOR APPLICATION NUMBER: US 60/085,497
PRIOR FILING DATE: 1999-05-05
PRIOR FILING DATE: 1999-05-05
PRIOR FILING DATE: 1999-05-05
SEQ ID NOS: 10
NUMBER OF SEQ ID NOS: 10
                                                                                                                                                                                          CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ATTORNEY/AGENT INFORMATION:
NAME: POREMESKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC.01
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-938-563
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TOPOLOGY: linear

MOLECULE TYPE: DNA (genomic)

SEQUENCE DESCRIPTION: SEQ ID NO: 99:
US-08-467-344A-99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/424,550
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
                                                             JAMES C. ERKER
SHERI L. BUIJK
ISA K. MUSHAHWAR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1476 CTGCCAGGAGTGGTACG 1492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                     CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 94.1<sup>1</sup>
Matches 16; Conservative
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US-09-689-012-9/c
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LENGTH: 20
TYPE: DNA
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APPLICANT: JOHN N. SIMONS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE G. SCHLAUDER
APPLICANT: GURSH M. DESAI
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MUBRHOFF
APPLICANT: ANTHONY SCOTT MUBRHOFF
APPLICANT: JAMES C. ERKER
APPLICANT: SHERI L. BUIJK
APPLICANT: SHERI L. BUIJK
APPLICANT: ISA K. MUSHAHWAR
APPLICANT: ANDHORING AND MUSHAR
APPLICANT: ANDHORING ANDHORING
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Query Match
1.0%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 66;
Matches 16; Conservative 0; Mismatches 1; Indels
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STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
STATE: 11
COUNTRY: USA
ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: FIDPPY disk
COMPUTER: 1 EM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: 1 EM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: ABCOTT NO DATA:
APPLICATION NUMBER: US/08/424,550B
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Pred. No. 66;
0; Mismatches
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CLASSIFICATION: 415435
ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKT, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC
TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 34
US-08-424-550B-99/c
US-08-424-550B-99, Application US/08424550B
Patent No. 6720166
GENERAL INFORMATION:
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INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                        563 GGGCCAGGGCCACCTGG 579
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MOLECULE TYPE: DNA (genomic)
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Best Local Similarity 94.1%;
Matches 16; Conservative (
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Patent No. 6297007
GENERAL INFORMATION
GENERAL INFORMATION
APPLICANT: Miao, Vivian
APPLICANT: Ho, Yap
APPLICANT: Tong, Seow
TITLE OF INVENTION: METHOD FOR ISOLATION OF BIOSYNTHESIS GENES FOR
TITLE OF INVENTION: BIOACTIVE MOLECULES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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; Sequence 109, Application US/09490692
; Patent No. Glabols3
; GENERAL INFORMATION:
; APPLICANT: Nicholas M. Dean
; APPLICANT: Lex M. Cowsert
; TITLE OF INVENTION: ANISENSE MODULATION OF DAXX EXPRESSION
; FILE REPREBNCE: RZ-0120
; CURRENT APPLICATION NUMBER: US/09/490,692
; CURRENT FILING DATE: 2000-01-24
; NUMBER OF SEQ ID NOS: 176
; SEQ ID NO 109
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 71; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3; Indels
       PatentIn Release #1.0, Version #1.25
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1.0%; Score 15.2; D:
Best Local Similarity 85.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ), OTHER INFORMATION: Antisense Oligonucleotide US-09-490-692-109
SOFTWARE: Patentin Release #1.0, Vers.
CURRENT PAPLICATION DATA:
APPLICATION NUMBER: US/08/483,746A
FILING DATE: 07-JUN-1995
PRIOR APPLICATION DATA:
PRIORALION NUMBER: US 08/142,845
FILING DATE: 25-OCT-1993
ATTORNEY/AGENT INFORMATION:
NAME: Jean M. Silveri
REGISTRATION NUMBER: 39,030
REFERENCE/DOCKET NUMBER: DCI-037CNCP
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617)227-7400
TELEFAX: (617)227-7401
TELEPHONE: (617)227-7401
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1275 TGTGTTCCTGGTCTCCGCAG 1294
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-861-774E-1/C
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; Sequence 21, Application US/08483746A
; Patent No. 602012.
; GENERAL INFORMATION:
APPLICANT: George D. Sorenson
; TITLE OF INVENTION: Detection of Gene Sequences in Biological
; NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 71; tive 0; Mismatches 3; Indels
                 Sequence 20, Application US/08142845
Patent No. 5496699
GENERAL INFORMATION:
TITLE OF INVENTION: Gene Sequences
TITLE OF INVENTION: In Biological
TITLE OF INVENTION: In Biological
TITLE OF INVENTION: Fluids
NUMBER OF SEQUENCES: 20
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lahive & Cockfield
STREET: 60 State Street
CITY: Boston
                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
OPPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII Text
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/142,845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: LAHIVE & COCKFIELD
STREET: 60 State Street, suite 510
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: William C. Geary III
REGISTRATION NUMBER: 31,357
REFERENCE/DOCKET NUMBER: DCI-037
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION: 435
RIOR APPLICATION DATA:
APPLICATION NUMBER: 07/874,845
FILING DATE: 27-APR-1992
ATTORNEY/AGENT INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 227-7400
TELEPHONE: (617) 227-5941
INFORMATION FOR SEQ ID NO: 20:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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COMPUTER READABLE PORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 85.05
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
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02109
R PT
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       US-08-142-845-20/c
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Warburg, Richard J
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CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                           Best Local Similarity
Matches 17; Conserv
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US-09-657-346A-22/c
Sequence 22, Application US/09657346A
Fatent No. 6503754
GENERAL INFORMATION:
APPLICANT: Hong ZENGE
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION
TITLE 
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US-09-705-267A-142
i Sequence 142, Application US/09705267A
i Sequence 142, Application US/09705267A
i Patent No. 6551826
i GENERAL INFORMATION:
i APPLICANT: Hong Zhang
i APPLICANT: Andrew T. Watt
i TITLE OF INVENTION: ANTISENSE MODULATION OF RAIDD EXPRESSION
i CURRENT APPLICATION NUMBER: US/09/705,267A
i CURRENT APPLICATION NUMBER: US/09/705,267A
i SEQ ID NO 142
i SEQ ID NO 142
i LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 77.8%; Pred. No. 71;
Matches 14; Conservative 3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-09-705-267A-142
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1.0%; Score 15.2; I
Best Local Similarity 85.0%; Pred. No. 71;
Matches 17; Conservative 0; Mismatches
FILE REFERENCE: 9993-006
CURRENT APPLICATION NUMBER: US/08/861,774E
CURRENT FILING DATE: 1997-05-22
NUMBER OF SEQ ID NOS: 94
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 1
LENGTH: 20
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                                                                                                                                                                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                   FEATURE:
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US-09-198-452A-4685
US-09-108-09-4685
US-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-108-09-
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                                                                                         Gaps
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    Length 20;
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APPLICANT: Akhtar, Saghir
APPLICANT: Rell, Patricia
APPLICANT: Fell, Patricia
APPLICANT: McSwiggen, James
ATTLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: PACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon
STREET: 631 West Fifth Street
STREET: Suite 4700
         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
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1.0%; Score 15.2; C
85.0%; Pred. No. 71;
tive 0; Mismatches
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ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS S.0
SOFTWARE: FastSEO for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 144, Application US/08985162
Patent No. 6057156
GENERAL INFORMATION:
                                                                                                                                                                                       1466 TCAGCCTGTACTGCCAGGAG 1485
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  502 GTGACCTGGGTGCCCATGTT 521
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Best Local Similarity 85.0%;
Matches 17; Conservative (
                                                                                              17; Conservative
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Gaps
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                                                                                     Gaps
                                                                                                                                                                                                                                                  US-09-487-368A-174/c
; Sequence 174, Application US/09487368A
; Sequence 174, Application US/09487368A
; Patent No. 6261840
; GENERAL INFORMATION:
; APPLICANT: Lex M. Cowsert
; APPLICANT: Lex M. ANTISENSE MODULATION OF PTP1B EXPRESSION
; TITLE OF INVENTION:
; FILE REFERENCE: RTS-0093
; CURRENT APPLICATION NUMBER: US/09/487,368A
; NUMBER OF SEQ ID NOS: 240
; SEQ ID NO 174
; LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 171, Application US/09676610B

Sequence 171, Application US/09676610B

Patent No. 6444465

GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Susan M. Freier
TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION
FILE REPERSENCE: RTS-0138
CURRENT APPLICATION NUMBER: US/09/676,610B

CURRENT FILING DATE: 2000-09-29

NUMBER OF SEQ ID NOS: 182
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                                         Length 17
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                                       Query Match 1.0%; Score 15; DB 1;
Best Local Similarity 100.0%; Pred. No. 54;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-09-676-610B-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Antisense Oligonucleotide US-09-487-368A-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 1.0%; Score 15; DB Best Local Similarity 100.0%; Pred. No. 77; Matches 15; Conservative 0; Mismatches
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US-09-629-644A-174/c
; Sequence 174, Application US/09629644A
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100.0%; Pro
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                 340 CTGATGGAGGTGCAG 354
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Best Local Similarity 100.0
Matches 15; Conservative
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US-09-676-610B-171
US-09-401-063-144
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LENGTH: 20
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100.0%; Pred. No. 54;
tive 0; Mismatches 0; Indels
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APPLICANT: Fell, Patricia
APPLICANT: Fell, Patricia
APPLICANT: MCSWiggen, James
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: FACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FASEESE for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/401,063
FILING DATE:
CLASSIFCATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: WASDULG, RICHARD 32,327
REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                           230/107
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 144, Application US/09401063 Patent No. 6623962 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEPHONE: (213) 489-1600
TELERAX: (213) 955-0440
TELEX: (67-3510
INPORMATION FOR SEQ ID NO: 144:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                    REFERENCE/DOCKET NUMBER: 230/1
TELECOMMUNICATION INFORMATION: TELEFAX: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFX: 67-3510
INFORMATION FOR SEQ ID NO: 144: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
      REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                           340 CTGATGGAGGTGCAG 354
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Best Local Similarity 100.0
Matches 15; Conservative
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                                                                                                                                                                                                                                                       linear
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: primer-reverse transribed using orD4-515 and is
OTHER INFORMATION: primer-reverse transribed using orD4-515 and is
OTHER INFORMATION: primer-reverse transribed using orD4-515 and is
OTHER INFORMATION:
THERE INFORMATION:
TITLE: The rat dopamine D4 receptor: sequence, gene structure
TITLE: and demonstration of expression in the cardiovascular
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Patent No. 6121015

Patent No. 6121015

GENERAL INFORMATION:

APPLICANT: O'Mallous

TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4 Receptor

FILE REFERENCE: WU 102 CON DIV

CURRENT FILING DATE: 1995-06-07

EARLIER FILING DATE: 1995-06-16

EARLIER APPLICATION NUMBER: US 08/261,293

EARLIER APPLICATION NUMBER: US 08/014,013

EARLIER PILING DATE: 1993-01-28

NUMBER OF SEQ ID NOS: 16

SOFTWARE: PATENTING OF SEC ID NOS: 16

SOFTWARE: PATENTING OF SEC ID NOS: 16

SOFTWARE: PATENTING OF SEC ID NOS: 16
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JOURGALD TO COMBERT
JAPPLICANT: LEX M. COWSERT
JAPPLICANT: Uacqueline Wyatt
JAPPLICANT: Uacqueline Wyatt
JAPPLICANT: Steater
JAPPLICANT: Madeline M. Frater
JAPPLICANT: Madeline M. Butler
JAPPLICANT: Madeline M. Butler
JAPPLICANT: Robert McKay
JITLE OF INVENTION: ANTIGENSE MODULATION OF PTPIB EXPRESSION
JITLE OF INVENTION: NUMBER: US/09/629,644A
CURRENT FILING DATE: 2000-01-31
PRIOR FILING DATE: 2000-01-18
JENGRA FILING DATE: 2000-01-18
JENGRA PELICATION NUMBER: US/09/487,368
JENGRA FILING DATE: 2000-01-18
JENGRA PELICANTON NUMBER: US/09/487,368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 67; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.0%; Score 15; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 77; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; OTHER INFORMATION: Antisense Oligonucleotide
US-09-629-644A-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     245 TGCCCCCACCTCCCC 259
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US-08-475-742-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FEATURE:
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LOCATION: 1..18
COTHER INFORMATION:
OTHER INFORMATION: primer - reverse transcribed using orD4-515, a
OTHER INFORMATION: is complementary to nucleotides 366 to 383 in
PUBLICATION INFORMATION:
AUTHORS: O'Malley, K. L.
AUTHORS: Harmon, S.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               : Tang, L. i. Todd, K. D. Traceptor: sequence, gene atructure and demonstration of expression in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 14.8; DB 1; Length 18;
88.9%; Pred. No. 67;
                 US-US-201-233-7,
5 Seq-201-233-7,
7 Application US/08261293
5 Patent No. 7, Application US/08261293
6 GENERAL INFORMATION:
7 APPLICANT: O'Malley, Karen L.
7 APPLICANT: TO'Malley, Karen L.
7 TILE OF INVENTION: Gene Encoding the Rat Dopamine D4
7 TILLE OF INVENTION: Receptor
7 TILLE OF SEQUENCES:
7 TILLE OF S
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Atlanta
STATE: Georgia
COUNTRY: U.S.
ZIP: 30309-4530
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IPM PC compatible
COMPUTER: IPM PC compatible
COMPUTER: TOWN SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PAPELICATION DATA:
APPLICATION NUMBER: US/08/261,293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7: FROM 1 TO 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/014,013
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PAGES: 1-9
DATE: 1992
RELEVANT RESIDUES IN SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICALLO...
FILING DATE:
ATTORNEY AGENT INFORMATION:
NAME: Pabet, Patrea L.
REGISTRATION NUMBER: 31,284
REFERENCE/DOCKET NUMBER: WU I
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 16404) 815-6524
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cardiovascular system
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INFORMATION FOR SEQ 1D NO: 7
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
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HYPOTHETICAL: NO
ANTI-SENSE: NO
FEATURE:
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Best Local Similarity
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AUTHORS:
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JOURNAL:
US-08-261-293-7
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523 CTGTCCACCCTGTTGGCG 540

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                                                                                                                 APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, James
APPLICANT: Strinchoomb, Dan T.
APPLICANT: Estrachoomb, Dan T.
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: CROWTH FACTOR
TITLE OF INVENTION: CROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 14.4; D
93.8%; Pred. No. 70;
tive 0; Mismatches
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US-09-371-772B-1578/C
; Sequence 1578, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; APPLICANT: Pavco, Pam
; APPLICANT: Stinchcomb, Dan
                                                                                                                                                                                                                                                                                                                                                                                                    ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 634 West Fifth Street
STREET: California
COUNTY: Los Angeles
COMPUTE: California
COWPUTE: BOO71-2066
COMPUTER: BEADABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: BOO72-2066
COMPUTER: BEADABLE FORM:
MEDIUM TYPE: 3.5" DISKETTE, 1.00
CORRENT REPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: 05/005,974
FILING DATE: October 26, 1995
ATTONEY APPLICATION: BIONARD:
NAME: Washburg Biochard I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 499-1600
                          US-08-584-040-3811/c
; Sequence 3811, Application US/08584040
; Patent No. 6346398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          122 GGACCCGACACATGGA 137
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Best Local Similarity 93.8°
Matches 15; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
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US-08-584-040-3811
                                                                                                    GENERAL INFORMATION:
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                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Tournier-Lasserve, Elisabeth
APPLICANT: Tournier-Lasserve, Elisabeth
APPLICANT: Joutel, Anne
APPLICANT: Buch, Dan-Francois
APPLICANT: Bach, Jean-Francois
TITLE OF INVENTION: GENE INVOLVED IN CADASIL, METHOD OF DIAGNOSIS AND
TITLE OF INVENTION: THERRAPEUTICA APPLICATION
FILE REFERENCE: 03715.0048-00000
CURRENT APPLICATION NUMBER: US/09/230,652A
CURRENT FILING DATE: 1999-05-10
EARLIER APPLICATION NUMBER: FR 96 09733
EARLIER APPLICATION NUMBER: FR 97 04680
EARLIER PILING DATE: 1997-04-16
EARLIER FILING DATE: 1997-04-16
EARLIER FILING DATE: 1997-07-31
NUMBER OF SEQ ID NOS: 163
SEQ ID NOS: 163
SEQ ID NO 111
LENGTH: 19
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APPLICANT: Robbins, Joan M.

APPLICANT: Tritz, Richard

TITLE OF INVENTION: SKIN AND EVE DISEASES

TITLE OF INVENTION: SKIN AND EVE DISEASES

TITLE OF INVENTION: SKIN AND EVE DISEASES

TITLE OF INVENTION: 18 NUMBER: US/09/696,791

CURRENT APPLICATION NUMBER: US/09/696,791

CURRENT PILING DATE: 2000-10-25

SOFTWARE: Patentin Ver. 2.0

SEQ ID NO 2:14

LENGTH: 19
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US-09-230-652-111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 75; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 75; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Cyclin E ribozyme binding site US-09-696-791-2314
                                                                                                                       Sequence 111, Application US/09230652A
Patent No. 6537775
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-696-791-2314/c
; Sequence 2314, Application US/09696791
; Patent No. 6770633
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      691 GTCCTGGTCTTCGAGCAG 708
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1 crerccacecrearece 18
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ORGANISM: Homo sapiens
FEATURE:
                                                                                                    US-09-230-652-111
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Gaps

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TITLE OF INVENTAUN: MASK

TITLE OF INVENTAUN: MASK

FILE REFERENCE: AEOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

FRIOR PILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-06-26

PRIOR FILING DATE: 2000-06-27

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-01-0-0

PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
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## APPLICANT: SHANNON, MARK;
## TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
## TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
## CURRENT APPLICATION NUMBER: US/09/866,108A
## CURRENT FILING DATE: 2001-05-25
## PRIOR APPLICATION NUMBER: US 60/207,456
## PRIOR APPLICATION NUMBER: US 60/236,359
## PRIOR APPLICATION NUMBER: US 60/236,359
## PRIOR PRILING DATE: 2000-01-00
## PRIOR PILING DATE: 2000-01-30
## PRIOR PILING DATE: 2001-01-30
## PRIOR FILING DATE: 2001-01-30
## PRIOR PILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.4;
Pred. No. 7(
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 2293
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-09-866-108A-2294/c
; Sequence 2294, Application US/09866108A
; Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.9%; Scc
Best Local Similarity 93.8%; Pro
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HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 ceecrereseccaree
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 , ORGANISM: Homo
US-09-866-108A-2293
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APPLICANT:
APPLICANT:
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Rosbigan, Jim
APPLICANT: Pavco, Pam
APPLICANT: Acswigan, Jim
APPLICANT: StinchComb, Dan
APPLICANT: Escobedo, Jaime;
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00, 876-J (237/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
NUMBER OF SEQ ID NOS: 14225
SEQ ID NO 6124
LENGTH: 17
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MHHH00, 876-3 (2371,198)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin Version 3.0
SEQ ID NO 1578
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Pred. No. 70;
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75.0%; Pred. No. 70
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Best Local Similarity 93.8%;
Matches 15; Conservative (
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HANZEL, David K.
RANK, David R.
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Best Local Similarity 75.0
Matches 12; Conservative
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-1578
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ORGANISM: Homo sapiens
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggan
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Wark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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PRIOR APPLICATION NUMBER: GB 60/236,359
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR PLICATION NUMBER: PCT/USO1/00666
PRIOR PLICATION NUMBER: PCT/USO1/00667
PRIOR PLICATION NUMBER: PCT/USO1/00667
PRIOR PLICATION NUMBER: PCT/USO1/00664
PRIOR PLICATION NUMBER: PCT/USO1/00669
PRIOR PLICATION NUMBER: PCT/USO1/00669
PRIOR PLICATION NUMBER: PCT/USO1/00669
PRIOR PLICATION NUMBER: PCT/USO1/00665
PRIOR PLICATION NUMBER: PCT/USO1/00666
PRIOR PLICATION NUMBER: PCT/USO1/00666
PRIOR PLICATION NUMBER: PCT/USO1/00666
PRIOR PLICATION NUMBER: PCT/USO1/00668
PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00668
PRIOR PLICATION NUMBER: PCT/USO1/00663
PRIOR PLICATION NUMBER: PCT/US
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PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR APPLICATION NUMBER: PCT/US01/00663
PRIOR PILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 2294
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CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PALICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: PCT/US01/00669
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Patent No. 6686188
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US-09-866-108A-2294
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CORGANISM: Homo sapiens
US-09-866-108A-2296
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                                                                    Indels
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0.9%; Score 14.4; E 93.8%; Pred. No. 70; ive 0; Mismatches
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93.8%; Pred. No. 70
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Patent No. 6686188
SEQ ID NO 2297
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Patent No. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                            553 CTACGGCTGTGGGCCA 568
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US-09-866-108A-2297
                         Best Local Similarity
Matches 15; Conserv
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Best Local Similarity
Matches 15; Conserv
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US-09-866-108A-6624
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Gaps

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PRIOR FILING DATE: 2001-01-30
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION NUMBER: PCT/US01/00665
PRIOR PILING DATE: 2001-01-30
PRIOR PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PALM.
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PAPILICATION NUMBER: PCT/US01/00668
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DAT
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APPLICANT: Pavco, Pamela
APPLICANT: Bacibedo, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Bacobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
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COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 910-106
COMPUTER: IBM COMPACIBLE
COMPUTER: IBM COMPACIBLE
COMPUTER: IBM COMPACIBLE
COMPUTER: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION 1514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: OCTOBER: 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 218/064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 4455, Application US/08584040
Patent No. 6346398
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INFORMATION FOR SEQ ID NO: 4455:
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Best Local Similarity 93.8 Matches 15; Conservative
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                                                                    APPLICANT: SHANNON, MARK

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPRENCE: ADMINICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT PILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2000-10-04

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30
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PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, Mark
TILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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Pred. No. 70
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PELING DATE: 2000-10-07
PRIOR PELING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/09/866,108A CURRENT FILING DATE: 2001-05-25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Remaining Prior Application data removed NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 6224
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    LING DATE: 2001-01-30 PPLICATION NUMBER: PCT/US01/00667 ILING DATE: 2001-01-30
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Sequence 6629, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match

Best Local Similarity 93.8%; Pr
Matches 15; Conservative 0;
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OTHER INFORMATION: Cdc25 hs ribozyme binding site
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Best Local Similarity 75.0%; Pred. No. 79;
Matches 12; Conservative 3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14.4; I 93.8%; Pred. No. 89; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            893 CCAAGAACTTTGCCCA 908
621 CGCCGTGGTGCTCTGC 636
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              943 CTGGGCCGCCTCTGTG 958
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                                   17 cecerregrecrerec 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-2168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
ORGANISM: Homo sapiens
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Matches 15; Conserv
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US-09-696-791-3563/c
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                                                                                                                                      Query Match 0.9%; Score 14.4; DB 1; Length 18; Best Local Similarity 75.0%; Pred. No. 79; Matches 12; Conservative 3; Mismatches 1; Indels
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APPLICANT: Cowsert, Lex M.
APPLICANT: Cowsert, Lex M.
APPLICANT: Cowsert, Lex M.
APPLICANT: Wonia, Brett P.
APPLICANT: Xu, Xiaoxing S.
ATITLE OF INVENTION: ANTISENSE MODULATION OF TRAF EXPRESSION FILE REFERENCE: 1SPH-0321
CURRENT APPLICATION NUMBER: US/09/167,109
CURRENT FILING DATE: 1998-10-06
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 129
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:
APPLICANT: Baker, Brenda F.
APPLICANT: Cowsert, Lex M.
APPLICANT: Monia, Brett P.
APPLICANT: Wu, Xiaoxing S.
ITTLE OF INVENTION: ANTIENSE MODULATION OF TRAF EXPRESSION FILE PERERENCE: 159H-0321
CURRENT PILING DATE: 1996-10-06
NUMBER OF SEQ ID NOS: 228
SEQ ID NO 42
LENGTH: 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 14.4; L
Local Similarity 93.8%; Pred. No. 79;
tes 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: antisense sequence
US-09-167-109-42
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CTHER INFORMATION: antisense sequence US-09-167-109-129
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US-09-167-109-129/c
Sequence 129, Application US/09167109
; Patent No. 6399297
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                             ; Sequence 42, Application US/09167109; Patent No. 6399297
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1269 GCTGGGTGTGTTCCTG 1284
                                                                                                                                                                                                                        943 CTGGGCCGCCTCTGTG 958
                                                                                                                                                                                                                                             1 ccggcccccccucug 16
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                in EBNGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
COPOLOGY: linear
US-08-584-040-4455
  SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                              US-09-167-109-42
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US-09-371-772B-2168

US-09-371-772B-2168

Sequence 2168, Application US/09371772B

Sequence 2168, Application US/09371772B

Sequence 2168, Application US/09371772B

Sequence 2168, Application US/09371772B

PREDICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Pavco, Pam

APPLICANT: Bacobedo, Jaime

APPLICANT: Stinchcomb, Dan

APPLICANT: Scobedo, Jaime

APPLICANT: Bacobedo, Jaime

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions

FILE REFERENCE: MBHB00, 876-J (237/198)

CURRENT FILING DATE: 1999-08-10

PRIOR APPLICATION NUMBER: US 60/005,974

SEQ ID NO 2168

SEQ ID NO 2168

LENGTH: 18
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| Sequence 3563, Application US/09696791
| Patent No. 6770633
| GENERAL INFORMATION:
| APPLICANT: Robbins, Joan M. APPLICANT: Tritz, Richard
| TITLE OF INVENTION: SKIN AND EYE DISEASES
| CURRENT APPLICATION NUMBER: US/09/696,791
| CURRENT FILING DATE: 2000-10-25
| NUMBER OF SEQ ID NOS: 4523
| SEQ ID NOS: 4523
| SEQ ID NO 3563
| LENGTH: 19
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Gaps
Sequence 283, Application US/08411796

Patent No. 5677149

GENERAL INFORMATION:
APPLICANT: Abrams, Mark A.
APPLICANT: Bauer, S. C.
APPLICANT: Barern, Goldberg, Sarah R.
APPLICANT: Easton, Alan M.
APPLICANT: Apraram, John P.
APPLICANT: McKearn, John P.
APPLICANT: Olins, Peter O.
APPLICANT: Olins, Peter O.
APPLICANT: Polazzi, Joseph O.
APPLICANT: Thomas, John W.
APPLICANT: Annual John W.
APPLICANT: Thomas, John W.
APPLICANT: Annual John W.
APPLICANT: ANDRESS: 549
CORRESPONDENCE ADDRESS:
Annuacorpe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co. ADDRESSEE: Corporate Patent Dept.
STREET: P. O. Box 5110
CITY: Chicago
STATE: 1111nois
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READBLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/411,796
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; Mismatches
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US-08-471-039-283
Sequence 283, Application US/08471039
Fatent No. 6017523
GENERAL INFORMATION:
APPLICANT: Abrams, Mark A.
APPLICANT: Bauer, S. C.
APPLICANT: Bauer, S. C.
APPLICANT: Caparon, Maire H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE:
CLASSIPTICATION: 424
FILORATION 10 DATA:
APPLICATION NUMBER: US 07/981044
FILING DATE: 24-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11198
FILING DATE: 22-NOV-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.5.,
100.0%; Pre-
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REGISTRATION NUMBER: 34,547
REFRENCE/DOCKET NUMBER: C271:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (708)470-6501
TELEPAX: (708)470-6881
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MOLECULE TYPE: DNA (synthetic)
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INFORMATION FOR SEQ ID NO: 283:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1548 ATCTTGGTCCTGCC 1561
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Best Local Similarity
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APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MEHBOO, 376-41 (237/138)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PACENTIN VERSION 3.0
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Pred. No. 82;
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Pred. No. 82;
3; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    3; Mismatches
                                                             Sequence 6125, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-371-772B-6126
Sequence 6126, Application US/09371772B
; Patent No. 6566127
GENERAL INFORMATION:
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78.6%;
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78.6%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  945 GGGCCGCCTCTGTG 958
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Best Local Similarity 78.6°
Matches 11, Conservative
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Best Local Similarity 78.61
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-371-772B-6126
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US-08-411-796-283
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LENGTH: 17
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                                      TITLE OF INVENTION: Interleukin-3 (IL-3) Mutant Polypeptides NUMBER OF SEQUENCES: 549
CORRESPONDENCE ADDRESS:
ADDRESSEE: Corporate Patent Dept.
STREET: P. O. Box 5110
CITY: Chicago
STATE: Illinois
COUNTRY: USA
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APPLICANT: Thomas, John W.
TITLE OF INVENTION: Interleukin-3 (IL-3) Mutant Polypeptides
NUMBER OF SEQUENCES: 549
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14; DB 1; Length 18;
100.0%; Pred. No. 93;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                             COMPUTER READABLE FORM:
MEDIUM TYPE: RIOPBY disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/559,390
FILING DATE:
CLASSIFICATION DATA:
APPLICATION NUMBER: 08/411,796
FILING DATE: 24-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981044
FILING DATE: 24-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 22-NOV-1993
ATPONENTY/AGENT INFORMATION:
AMAR: APPLICATION PROMER: PLANCALING PROMER: PLANCALING DATE: 22-NOV-1993
ATPONENTY/AGENT INFORMATION:
AMAR: ADMINIST INFORMATION:
AMAR: ADMINIST PROMER: PLANCALING PROMER: PLANCALING DATE: 22-NOV-1993
ATPONENTY/AGENT INFORMATION:
AMAR: ADMINIST PROMER: PLANCALING PROMER: PLANCALING DATE: 22-NOV-1993
ATPONENTY/AGENT INFORMATION:
AMAR: ADMINIST PROMER: PLANCALING PROMER: PLANCALING DATE: 22-NOV-1993
ATPONENTY/AGENT INFORMATION:
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ADDRESSEE: Dennis A. Bennett, G.D. Searle & Co.
ADDRESSEE: Corporate Patent Dept.
STREET: P. O. Box 5110
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Bauer, S. C.
Bauer, S. C.
Barord-Goldberg, Sarah R.
Caparon, Maire H.
Baston, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
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APPLICANT: Abrams, Mark A.
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NAME: Bennett, Dennis A.
REGISTRATION NUMBER: 34,547
REFERENCE/DOCKET NUMBER: C271
TELECOMMUNICATION INFORMATION:
TELEPHONE: (708)470-6501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    MOLECULE TYPE: DNA (synthetic) US-08-559-390-283
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              linear
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APPLICANT:
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APPLICANT:
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APPLICANT: Klein, Barbara K.

APPLICANT: NcKearn, John P.
APPLICANT: Olins, Peter O.
APPLICANT: Paik, Kuman
APPLICANT: Polazzi, Joseph O.
APPLICANT: Thomas, John W.
TITLE OF INVENTION: Interleukin-3 (IL-3) Mutant Polypeptides
NUMBER OF SEQUENCES: 549
CORRESPONDENCE ADDRESS:
ADDRESSE: Dennis P. P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                  CALL: 50.080

CALL: 50.080

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC Compatible

COMPUTER: IBM PC Compatible

CORRATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PATENTIN NATA:

APPLICATION NUMBER: US/08/471,039

FILING DATE: 06-JUN-1995

CLASSIFICATION NUMBER: US/08/471,039

FILING DATE: 24-NOV-1992

PRIOR APPLICATION NUMBER: US/081,044

FILING DATE: 24-NOV-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US93/11198

FILING DATE: 22-NOV-1993

ATTONNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                           E: Dennis A. Bennett, G.D. Searle & Co., EE: Corporate Patent Dept.
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Patent No. 6479261
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
US-08-471-039-283
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Abrams, Mark A.
Bauer, S. C.
Braford-Goldberg, S.
Caparon, Maire H.
Easton, Alan M.
Klein, Barbara K.
McKearn, John P.
Olins, Peter O.
Paik, Kumnan
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REGISTRATION NUMBER: 34,547
REFERENCE/DOCKET NUMBER: C27
TELECOMMUNICATION:
TELEPHONE: (708)470-6501
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (708)470-6881
INFORMATION FOR SEQ ID NO: 283:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
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Thomas, John W.
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STATE: Illinois
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                      60680
                                                                                                                                                                                                                                                                                                       ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-559-390-283
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APPLICANT:
APPLICANT:
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APPLICANT: Bauer, Heidi M.
APPLICANT: Gravitt, Patti E.
APPLICANT: Greer, Catherine E.
APPLICANT: Impraim, Chaka C.
APPLICANT: Manos, M. Michele
APPLICANT: Resnick, Robert M.
TITLE OF INVENTION: Detection of Human Papillomavirus by the
TITLE OF INVENTION: Polymerase Chain Reaction
NUMBER OF SEQUENCES: 238
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DB 1; Length 17;
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/474,542A
                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.8; DB
Fred. No. 89;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 13.8; [
88.2%; Pred. No. 89;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-474-542A-174/c
; Sequence 174, Application US/08474542A
; Patent No. 5527898
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADDRESSEE: Hoffmann-La Roche Inc
STREET: 340 Kingsland Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             REFERENCE DOCKET NUMBER: 9234
TELECOMMUNICATION INFORMATION:
TELEFRONE: (510) 814-2974
INFORMATION FOR SEQ ID NO: 174:
SEQUENCE CHARACTERISTICS:
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NAME: Petry, Douglas A.
REGISTRATION NUMBER: 35,321
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 252 ACCTCCCCAGGTTCCT 268
REFERENCE/DOCKET NUMBER: 87
TELECOMMUNICATION INFORMATION
TELEPHONE: (510) 814-2863
                                                                                                                                                                                                                                                                                                  ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-050-743-25
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MOLECULE TYPE: DNA (genomic)
                                                          TELEPHONE: (510) 814-2977
INFORMATION FOR SEQ ID NO: 25
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
companies single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 ACCTCCCTCAGGTTCTT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.9°
Best Local Similarity 88.2
Matches 15; Conservative
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Best Local Similarity 88.23
Matches 15; Conservative
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CITY: Nutley
STATE: New Jersey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     FILING DATE:
CLASSIFICATION: 435
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APPLICANT: Bauer, Heidi M.
APPLICANT: Greer, Catherine E.
APPLICANT: Greer, Catherine E.
APPLICANT: Resnick, Robert M.
APPLICANT: Ting, Yi
TITLE OF INVENTION: Detection of Human Papillomavirus by the TITLE OF INVENTION: Polymerase Chain Reaction
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREET: 340 Kingaland Street
STREET: New Jersey
COUNTRY: US.A.
ZIP: 07110
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION NUMBER: US/08/050,743
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                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: Eloppy disk
COMPUTER: IBM PC compatible
COMPUTER: Datemil Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: PCT/US93/11198
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/981044
FILING DATE:
TILING DATE: 24-NOV-1992
ATTORNEY/AGENT INFORMATION:
NAME: Bennett, Dennis A.
NAME: Bennett, Dennis A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NATIONAL STATE SEGMENT STATE S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 25, Application US/08050743 Patent No. 5447839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOPOLOGY: linear
MOLECULE TYPE: DNA (synthetic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: (708)470-6881
INFORMATION FOR SEQ ID NO: 283:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1548 ATCTTGGTCCTGCC 1561
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ATTORNEY/AGENT INFORMATION:
NAME: Sias, Stacey R.
REGISTRATION NUMBER: 32,6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                        USA
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NESULT 73

10.60-101-271A-97/C

10.60-101-271A-97/C
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Gaps
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APPLICANT: Gravitt, Patti E.
APPLICANT: Gravitt, Patti E.
APPLICANT: Gravitt, Patti E.
APPLICANT: Gravitt, Patti E.
APPLICANT: Gravitt, Catherine E.
APPLICANT: Impraim, Claka C.
APPLICANT: Manos, M. Michele
APPLICANT: Resnick, Robert M.
TITLE OF INVENTION: Detection of Human Papillomavirus by the
TITLE OF INVENTION: Delymerase Chain Reaction
NUMBER OF SEQUENCES: 298
CORRESPONDENCE ADDRESS:
ADDRESSEE: Hoffmann-La Roche Inc.
STREET: 340 Kingsland Street
CITY: Nutley
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07110.
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CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/457,648
FILING DATE:
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Petry, Douglas A.
REGISTRATION NUMBER: 35,321
REFERENCE/DOCKET NUMBER: 9205
                                                                                                                                                                                                                                                                                                                                                                                                                                          S-19825/P1/CGC 1727
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88.2%; Pred. No. 89;
ative 0; Mismatches
APPLICATION NUMBER: US C., P. FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA: APPLICATION NUMBER: US 07/580,431
FILING DATE: T-SEP-1990
PRIOR APPLICATION NUMBER: US 07/586,672
PRIOR APPLICATION NUMBER: US 07/368,672
PRIOR APPLICATION DATA: APPLICATION DATA: APPLICATION NUMBER: US 07/329,018
FILING DATE: 24-MAR-1989
PRIOR APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGBNT INFORMATION: NAME: Elmer, James Scott REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 36,129
REFERENCE/DOCKET NUMBER: S-19825/PI, TELECOMMUNICATION INFORMATION: TELEPRONE: (919)541-8689
INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs TYPE: nucleic acid STRANDENDRSS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-08-457-648-174/c
; Sequence 174, Application US/08457648
Patent No. 5639871
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER: IBM PC compatible OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1316 GCTTCGTCCTGGGGTTC 1332
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MEDIUM TYPE: Floppy disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-181-271A-97
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APPLICANT:
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APPLICANT:
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APPLICANT:
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"FELICANT Alexander, Danny C.

"FELICANT BECK, James J.

APPLICANT Duesing, John H.

APPLICANT Friedrich, Lealie B.

APPLICANT Goodman, Robert M.

APPLICANT Harms, Christian

APPLICANT Montoya, Alice

APPLICANT Montoya, Alice

APPLICANT Neuhaus, Jean-Marc

APPLICANT Moyer, Mary B.

APPLICANT Sperison, Christoph

APPLICANT Sperison, Christoph

APPLICANT Sperison, Jeffrey R.

APPLICANT String String Sherica C.

APPLICANT Ward, Eric R.

APPLICANT WARD SEQUENCES AND USES THEREOF

TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC

TITLE OF INVENTION REGULATABLE AND ANTI-PATHOGENIC

TITLE OF INVENTION REGULATABLE AND ANTI-PATHOGENIC

TITLE OF INVENTION REGULATABLE AND ANTI-PATHOGENIC

TITLE AND ANTI-PATHOGENICAL AND A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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1 Similarity 88.2%; Pred. No. 89;
15; Conservative 0; Mismatches 2; Indels
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PRIOR APPLICATION: 800
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/181,271
PILING DATE: 13-7AN-94
APPLICATION NUMBER: US 08/093,301
PRIOR APPLICATION DATA:
APPLICATION DATA: 05/093,301
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/937,197
PRIOR APPLICATION NUMBER: US 07/937,197
PRIOR APPLICATION NUMBER: US 07/678,378
FILING DATE: 1-APR-1991
TELECOMMUNICATION INFORMATION:
TELEPHONE: (510) 814-2974
TELEPAX: (510) 814-2977
INFORMATION FOR SEQ ID NO: 174:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              252 ACCTCCCCCAGGTTCCT 268
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Matches 15; Conserve
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88.2%; Pred. No. 89;
iive 0; Mismatches
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/305,566
FILING DATE: 6-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/165,667
FILING DATE: 8-MAR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/042,847
FILING DATE: 12-DEC-1990
FILING DATE: 21-DEC-1990
FILING DATE: 21-DEC-1990
FILING DATE: 20-OCT 1989
FILING DATE: 20-OCT 1989
FILING DATE: 20-OCT 1989
FILING DATE: 20-OCT 1989
FILING DATE: 20-DEC-1991
APPLICATION NUMBER: US 07/86,122
APPLICATION NUMBER: US 07/86,122
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/580,431
FILING DATE: 7-SEP-1990
PRIOR APPLICATION NUMBER: US 07/386,672
FILING DATE: 20-UN-1989
FILING DATE: 12-APR-1983
ATTORNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Hexander, Danny C.
Beck, James J.
Duesing, John H.
Friedrich, Leslie B.
Goodman, Robert M.
Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
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Patent No. 5654414
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1316 GCTTCGTCCTGGGGTTC 1332
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TELEPHONE: (919)541-8614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ryale, John A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; MOLECULE TYPE: DNA
US-08-449-315-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 76
US-08-444-803-97/c
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RESULT 77
US-08-449-043-97/c
; Sequence 97, Application US/08449043
; Patent No. 5689044
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ryals, John A.
Alexander, Danny C.
Beck, James J.
Duesing, John H.
Friedrich, Leslie B.
Goodman, Robert M.
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Meins, Jr., Frederick
Montoya, Alice
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Moyer, Mary B.
Nethaus, Jean-Marc
Payne, George B.
Sperison, Christoph
Stinson, Jeffrey R.
Uknes, Scott J.
Ward, Eric R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1316 GCTTCGTCCTGGGGTTC 1332
                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%;
Best Local Similarity 88.2%;
Matches 15; Conservative 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 GCCTCGTCCTGGAGTTC 1
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APPLICANT:
APPLICANT:
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                        APPLICANT: Payne, George B.
APPLICANT: Sperison, Christoph
APPLICANT: Stinson, Office B.
APPLICANT: Stinson, Jeffrey R.
APPLICANT: Ward, Exic R.
APPLICANT: Ward, Exic R.
APPLICANT: Williams, Shericca C.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorn
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/444,803
FILING DATE: 19-MAY-1995
CLASSIFICATION NUMBER: US/08/444,803
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US/08/444,803
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US/08/93,301
FILING DATE: 16-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/937,197
FILING DATE: 16-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/07/937,197
FILING DATE: 16-JUL-1993
FILING DATE: 10-DEC-1990
FILING DATE: 10-DEC-1990
FILING DATE: 21-DEC-1990
FILING DATE: 31-DEC-1990
FILING DATE: 32-DEC-1991
FILING DATE: 32-DEC-1991
FILING DATE: 32-DEC-1990
FILING DATE: 32-DEC-1991
FILING DATE: 32-DEC-1993
FILING DATE: 32-DEC-1991
FILING DATE: 32-DEC-1993
FILING DATE: 32-DEC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
Neuhaus, Jean-Marc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
                                                                                                                                                                                                                                                                                                                                                                                                                                                 USA
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APPLICANT: Ward, Eric R.
APPLICANT: Walliams, Shericca C.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOCENIC TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
STREE: CIBA-RESS:
CORRESPONDENCE ADDRESS:
COUNTRY: Hawthorne
STATE: New York
COUNTRY: USA
COUNTRY: 
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REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727

TELECOMMUNICATION INFORMATION:
TELERHONE: (919)541-8614

TELERAX: (919)541-8619;
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHRACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TYPE: nucleic acid
TYPE: nucleic acid
STRANDEDNESS: single
MULECULE TYPE: DNA
US-08-444-803-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 13.8; D
Pred. No. 89;
0; Mismatches
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APPLICANT: Ryals, John A.
APPLICANT: Ryals, John A.
APPLICANT: Ryals, John A.
APPLICANT: Goodman, Robert M.
APPLICANT: Stinson, Jeffrey R.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUW TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/452,055
FLING DATE:
FLING DATE:
FLING DATE:
ATELEATION NUMBER: 32,630
REGISTRATION NUMBER: 32,630
REGISTRATION NUMBER: 32,630
REGISTRATION NUMBER: 32,630
RELERANICATION NUMBER: 9188
TELEFRONCE/COCKET NUMBER: 9188
TELEFRONCE (510) 814-2863
TELEFRANICATION NOCREATION:
TELEFRANICATION FOR SEQ ID NO: 25:
SEQUENCE CHARACTERISTICS:
TENDTH: 17 base pairs
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MEDIUM TYPE: Floppy disk
COMPUTER: ISM Compatible
COMPUTER: ISM Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/456,265A
FILING DATE: 31-MAY-95
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         STREET: CIBA-GEIGY Corporation STREET: 520 White Plains Road, P.O. Box 2005 STATE: New York COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 13.8; D
Best Local Similarity 88.2%; Pred. No. 89;
Matches 15; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AUMBER: US 08/181,271 PRIOR APPLICATION NUMBER: US 00/18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 97, Application US/08456265A Patent No. 5767369 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  252 ACCTCCCCAGGTTCCT 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic)
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      5: Hoffmann-La
340 Kingsland S
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EDNESS: single
                                                                                                             New Jersey
: U.S.A.
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                                                                        Nutley
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US-08-456-265A-97/c
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             ADDRESSEE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-452-055-25
                                                                                                                                            COUNTRY:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
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Best Local Similarity 88.2%; Pred. No. 89;
Matches 15; Conservative 0; Mismatches
                                                                                            FILING DATE: 6-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION UNDER: US 07/165,667
FILING DATE: 8-MAR-1988
PRIOR APPLICATION NUMBER: US 08/042,847
FILING DATE: 6-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,441
FILING DATE: 21-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/425,504
FILING DATE: 20-OCT 1989
FILING DATE: 20-OCT 1989
FILING DATE: 6-MAR-1992
FILING DATE: 6-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRICK THE TABLE TO THE TABLE TABLE TABLE TABLE TO THE TABLE TAB
FILING DATE: 1-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/305,566
FILING DATE: 6-FEB-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 25, Application US/08452055
Patent No. 5705627
GENERAL INFORMATION:
APPLICANT: Bueur, Heidi M.
APPLICANT: Greer, Catherine E.
APPLICANT: Resnick, Robert M.
APPLICANT: Resnick, Robert M.
APPLICANT: Ting, Yi
TITLE OF INVENTION: Detection of Hu
TITLE OF INVENTION: Polymerase Chai
NUMBER OF SEQUENCES: 85
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1316 GCTTCGTCCTGGGGTTC 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: S-1
TELECOMMUNICATION:
TELEPHONE: (919)541-8614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-452-055-25/c
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Gaps

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APPLICANT: Replay Jean-March
APPLICANT: Replay Jean-March
APPLICANT: Repression Christoph
APPLICANT: Sperion, Christoph
APPLICANT: Millians, Sherica Car
APPLICANT: Millians Dive
CARESPONDENCE ADDRESS: 106
CONTRESS READ BROWN: Sherica Car
APPLICANT STEAR Cargodinal Brown: Car
CATT: Harborne
CATT: Harborne
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CATT: Harborne
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APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-UNN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/329,018
                                                      Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
Moyer, Mary B.
                  Friedrich, Leslie B.
Goodman, Robert M.
Duesing, John H.
                                                                             APPLICANT:
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Pred. No. 89;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      REPERENCE DOCKET NUMBER: S-19825/P1/CGC 1727/DIV10 TELECOMONICATION INFORMATION: TELEPHONE: (919)541-8689 TELEPAX: (919)541-8689 INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
            US-08-455-416-97/c
; Sequence 97, Application US/08455416
; Patent No. 5777200
; GENERAL INFORMATION:
; APPLICANT: Ryals, John A.
; APPLICANT: Alexander, Danny C.
; APPLICANT: Beck, James J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1316 GCTTCGTCCTGGGGTTC 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%;
Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17 decredrecredadric 1
    FILING DATE: 16-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: DNA
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US 08/093,301
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TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS:
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Best Local Similarity 88.2%;
Matches 15; Conservative
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REGISTRATION NUMBER: 36
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                      FILING DATE: 16-JUL-1
PRIOR APPLICATION DATA:
APPLICATION NUMBER: U
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US-08-455-244-97
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TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIGY Corporation
                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 89; Matches 15; Conservative 0; Mismatches 2; Indels
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MEDIUM TYPE: Floppy disk
MCDMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NATA:
RILING DATE: 31-MAY-1995
                                                                                                      NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8689
INFORMATION SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
FILING DATE: 24-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Friedrich, Leslie B.
Goodman, Robert M.
Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
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PRIOR APPLICATION DATA
APPLICATION NUMBER: 08/181,271
FILING DATE: 13-JAN-94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 97, Application US/08455244 Patent No. 5789214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Payne, George B.
Sperison, Christoph
Stinson, Jeffrey R.
Uknes, Scott J.
Ward, Eric R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ryals, John A.
Alexander, Danny C.
Beck, James J.
Duesing, John H.
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Neuhaus, Jean-Marc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: USA
                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 81
US-08-455-244-97/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          36,129
RR: S-19825/P1/CGC 1727
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Pred. No. 89
PRING DATE: 6-NOV-1992
PRING DATE: 6-NOV-1992
PRING DATE: 6-NOV-1992
PRING DATE: 1-AR-1991
APPLICATION NUMBER: 10 07/678,378
FILING DATE: 1-AR-1991
RIGNE APPLICATION DATA:
APPLICATION NUMBER: 05 07/165,667
FILING DATE: 6-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 10 07/165,667
FILING DATE: 6-ARR-1988
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,441
FILING DATE: 21-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,441
FILING DATE: 6-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/768,122
FILING DATE: 6-MAR-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/768,122
FILING DATE: 20-OCT 1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/768,122
FILING DATE: 20-UN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/369,018
FILING DATE: 20-UN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/369,018
FILING DATE: 24-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/369,018
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 07/369,018
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
APPLICATION NUMBER: US 00/2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 82
US-08-454-876-97/C
Sequence 97, Application US/08454876
Patent No. 5804693
GENERAL INFORMATION:
APPLICANT: Ryals, John A.
APPLICANT: Alexander, Danny C.
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JUGES ALL ALUDRESS:
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
COUNTRY: US'
ZIP:
                                                                                                                  US 07/329,018
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Goodman, Robert M.
Harms, Christian
Meins, Dr., Frederick
Montoya, Alice
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 97, Application US/08457364
Patent No. 5847258
GENERAL INFORMATION:
APPLICANT: Ryals, John A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ryals, John A.
Alexander, Danny C.
Beck, James J.
Duesing, John H.
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Sperison, Christoph
Stinson, Jeffrey R.
Uknes, Scott J.
Ward, Eric R.
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Neuhaus, Jean-Marc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         88.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 GCCTCGTCCTGGAGTTC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS: single
                                                                                                                    APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity
Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 83
US-08-457-364-97/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-08-454-876-97
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APPLICANT:
APPLICANT:
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APPLICANT: Beck, James J.

APPLICANT: Priedrich, Leslie B.
APPLICANT: Friedrich, Leslie B.
APPLICANT: Friedrich, Leslie B.
APPLICANT: Harms, Christian
APPLICANT: Howins, Christian
APPLICANT: Mothow, Alice
APPLICANT: Mothow, Jean-Marc
APPLICANT: Mothow, Jean-Marc
APPLICANT: Sperison, Christoph
APPLICANT: Sperison, Christoph
APPLICANT: Stinson, Jeffrey R.
APPLICANT: Stinson, Jeffrey R.
APPLICANT: Stinson, Jeffrey R.
APPLICANT: Ward, Eric R.
APPLICANT: Ward, Eric R.
APPLICANT: Walliams, Shericca C.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
NUMBER POF SEQUENCES: 106
CORRESPONDENCES LIBA-CELISY Corporation
STREET: 7 Skyline Drive
CITY: Hawthorne
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: BABORIE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOGTWARE: PERCENT Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/454,876
FILING DATE: 13-MAY-1995
RIOR APPLICATION DATA:
APPLICATION NUMBER: 08/181,271
FILING DATE: 16-JUL-1993
FILING DATE: 16-JUL-1993
PILING DATE: 1-JUL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/937,197
FILING DATE: 1-APR-1991
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 1-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-APR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,441
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/425,504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-JUN-1989
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICATION NUMBER: US 07/768,122
FILING DATE: 27-SEP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/580,431
FILING DATE: 7-SEP-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 07/848,506
FILING DATE: 6-MAR-1992
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PRIOR APPLICATION DATA:
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Gaps APPLICANT: Williams, Shericca C.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS: ö 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 89; ve 0; Mismatches 2; Indels FILLON NUMBER: US 0/7329, U18
FILLON ADDATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/045,957
FILLON DATE: 12-ARR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Blimer, James Scott
REGISTATION NUMBER: 3,129
REFERENCE/DOCKET NUMBER: 3,129
REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION NUMBER: (919) 541-8614
TELEPHONE: (919) 541-864
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid SOTTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATE:
FILING DATE: 31-MAY-1995
CLASSIFICATION 800
CLASSIFICATION DATE:
APPLICATION DATE:
APPLICATION DATE:
APPLICATION DATE:
APPLICATION DATE:

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APPLICANT: Williams, Shericca C.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC
TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITYE: Hawthorne
CITY: Hawthorne
STATE: New York
COUNTY: USA
ZIP: 10532
COMPUTER TEADABLE FORM:
MEDIUW TYPE: Ploppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,262
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 08/093,301
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 07/937,197
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 07/937,197
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 07/937,197
FILING DATE: 14-DAR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 6-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 6-NOV-1993
PRIOR APPLICATION NUMBER: US 07/678,378
FILING DATE: 6-NOV-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/632,441
FILING DATE: 13-DEC-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/425,504
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/768,122
FILING DATE: 27-SEP-1991
PRIOR APPLICATION NUMBER: US 07/768,131
FILING DATE: 27-SEP-1991
PRIOR APPLICATION NUMBER: US 07/768,131
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/768,131
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/568,431
PRIOR APPLICATION NUMBER: US 07/568,431
PRIOR APPLICATION NUMBER: US 07/568,431
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-JUN-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CIBA-GEIGY Corporation
                                                                                                         Goodman, Robert M.
Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
                                                                                                                                                                                                           Moyer, Mary B.
Neuhaus, Jean-Marc
Payne, George B.
Sperison, Christoph
Stinson, Jeffrey R.
                                                      nesing, John H.
riedrich, Leslie B.
          Alexander, Danny C.
                                                                                                                                                                                                                                                                                                                                             Uknes, Scott J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 7 Skyline Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 7-SEP-19
PRIOR APPLICATION DATA:
APPLICATION NUMBER: (
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APPLICANT:
APPLICANT:
APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
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Pred. No. 89;
O; Mismatches
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 08/093,301
FILING DATE: 16-UU-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/937,197
FILING DATE: 1-APR-1991
PRIOR APPLICATION NUMBER: US 07/678,378
FILING DATE: 1-APR-1991
PRIOR APPLICATION NUMBER: US 07/678,378
FILING DATE: 6-FEB-1989
FILING DATE: 6-FEB-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/042,847
FILING DATE: 6-AR-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/042,847
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 20-0CT 1989
PRIOR APPLICATION NUMBER: US 07/425,504
FILING DATE: 20-0CT 1989
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 20-MRR-1992
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 6-MAR-1992
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 6-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR PAPELICATION NUMBER: US 07/768,122
FILING DATE: 27-5EP-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/580,431
FILING DATE: 7-5EP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/366,672
FILING DATE: 20-JUN-1989
PRIOR APPLICATION NUMBER: US 07/329,018
FILING DATE: 24-MAR-1989
FILING DATE: 24-MAR-1989
FILING DATE: 12-APR-1989
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Patent No. 5851766
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1316 GCTTCGTCCTGGGGTTC 1332
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TELEPHONE: (919) 541-8614
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%;
illarity 88.2%;
Conservative (
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LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,
REFERENCE/DOCKET NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Ryals, John A.
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Matches 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
TOPOLOGY: lir
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Query Match

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08/181,271
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (919)541-8689
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: nucleic acid
STRANDEDNESS: single
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 86
US-08-455-736-97/c
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APPLICANT: Sperison, Christoph
APPLICANT: Stinson, Jeffrey R.
APPLICANT: Ward, Eric R.
APPLICANT: Ward, Eric R.
APPLICANT: Ward, Eric R.
TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ó,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Ouery Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 89; Matches 15; Conservative 0; Mismatches 2; Indels
         APPLICATION UNBER: US 07/329,018
FILING DATE: 24-MAR-1989
PRIOR APPLICATION UNBER: US 08/045,957
FILING DATE: 12-AR-1989
APPLICATION NUBER: US 08/045,957
FILING DATE: 12-AR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Elmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 3-19825/PI/CGC 1727
TELECOMMUNICATION INFORMATION:
TELEFAX: (919)541-864
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
NOMECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CURRENT APPLICATION Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/456,240
FILING DATE: 31-MAY-1995
CLASSIFICATION: 800
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    E: CIBA-GEIGY Corporation 7 Skyline Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Alexander, Danny C.
Beck, James J.
Duesing, John H.
Priedrich, Leslie B.
Goodman, Robert M.
Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
Moyer, Mary B.
Neuhaus, Jean-Marc
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-456-240-97/c
; Sequence 97, Application US/08456240
; Patent No. 5856154
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1316 GCTTCGTCCTGGGGTTC 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ryals, John A.
PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-GEIG
STREET: 7 SKyline Dr
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PRIOR APPLICATION DATA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Hawthorne
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-456-262-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COUNTRY:
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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Elmer. James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
TELECOMMUNICATION INFORMATION:
TELEPHONE: (919)541-8614
TELEPRAX: (919)541-8689
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
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Pred. No. 89;
FILING DATE: 13-JAN-94
APPLICATION NUMBER: US 08/093,301
FILING DATE: 16-UL-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 1-APR-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 6-FEB-1989
PRIOR APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-FEB-1989
PRIOR APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-APR-1993
PRIOR APPLICATION NUMBER: US 07/632,441
FILING DATE: 1-DEC-1990
PRIOR APPLICATION NUMBER: US 07/632,441
FILING DATE: 21-DEC-1990
PRIOR APPLICATION NUMBER: US 07/632,41
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/68,122
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/68,122
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/68,122
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/68,122
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/68,122
FILING DATE: 27-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/368,672
FILING DATE: 27-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/368,672
FILING DATE: 27-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/368,672
FILING DATE: 27-SEP-1990
PRIOR APPLICATION DATA:
APPLI
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1316 GCTTCGTCCTGGGGTTC 1332
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Best Local Similarity 88.2%;
Matches 15; Conservative 0
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FILING DATE: 6-NOV-1992
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                  TOPOLOGY: linear MOLECULE TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-455-736-97
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                                                                                                                                                                                                                                                            TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC TITLE OF INVENTION: CHEMICALLY REGULATABLE AND ANTI-PATHOGENIC TITLE OF INVENTION: DNA SEQUENCES AND USES THEREOF CORRESPONDENCE ADDRESS:
ADDRESSEE: CIBA-CFT...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 10532
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IPOPPY disk
COMPUTER: PLOPPY disk
COMPUTER: PROPERTION SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/455,736
FILING DATE: 31-MAY-1995
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION 1973

PRIOR APPLICATION NUMBER: 08/181,271
FILING DATE: 13-0AN-1994

APPLICATION NUMBER: 08 08/093,301
FILING DATE: 16-JUL-1993

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/937,197
FILING DATE: 6-NOV-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/678,378
FILING DATE: 1-APR-1991
PRIOR APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-FEB-1989
PRIOR APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-FEB-1989
PRIOR APPLICATION NUMBER: US 07/165,667
FILING DATE: 6-APR-1993
PRIOR APPLICATION NUMBER: US 07/632,441
FILING DATE: 6-APR-1999
PRIOR APPLICATION NUMBER: US 07/632,441
FILING DATE: 1-DEC-1990
PRIOR APPLICATION NUMBER: US 07/825,504
FILING DATE: 20-OCT 1989
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 27-SEP-1991
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 27-SEP-1991
PRIOR APPLICATION NUMBER: US 07/848,506
FILING DATE: 27-SEP-1991
PRIOR APPLICATION NUMBER: US 07/768,122
FILING DATE: 37-SEP-1991
FILING DATE: 7-SEP-1990
PRIOR APPLICATION NUMBER: US 07/866,431
FILING DATE: 7-SEP-1990
PRIOR APPLICATION NUMBER: US 07/866,672
                                                                                                                                                                                                                                                                                                                                                                                                                                                         E: CIBA-GEIGY Corporation 7 Skyline Drive
                                                                                 Priedrich, Leslie B.
Goodman, Robert M.
Harms, Christian
Meins, Jr., Frederick
Montoya, Alice
Moyer, Mary B.
Neuhaus, Jean-Marc
Payne, George B.
Sperison, Christoph
Stinson, Jeffrey R.
Ryals, John A.
Alexander, Danny C.
Beck, James J.
Duesing, John H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Hawthorne
STATE: New York
COUNTRY: USA
                                                                                                                                                                                            APPLICANT:
APPLICANT:
APPLICANT:
                                        APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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Sequence 97, Application US/08971217

Patent No. 5942662

GENERAL INFORMATION:

APPLICANT: Ryals, John A.

APPLICANT: Friedrich, Leslie

APPLICANT: Beck, James

APPLICANT: Ward, Eric

CORRESPONDENCE ADDRESS:

ADDRESSEE: No. 5942662artis Corporation

STREET: 3054 Cornwallis Road, P.O. Box 12257

CITY: Research Triangle Park

COUNTRY: USA

ZIP. ALL
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/329,018
APPLICATION NUMBER: US 07/329,018
FRIING PATE: 24-MAR-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-ARR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Blmer, James Scott
REGISTRATION NUMBER: 36,129
REFERENCE/DOCKET NUMBER: 36,129
REFERENCE/DOCKET NUMBER: S-19825/P1/CGC 1727
TELECHONE: (919)541-8649
ITELEPHONE: (919)541-8689
INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER READABLE FORM:
MEDIUM TYER: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/971,217
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 13.8; D
88.2%; Pred. No. 89;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION: 800

REIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/457,364

FILING DATE: 31-MAY-1995

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/181,271

FILING DATE: 13-7AM-1994

PRIOR APPLICATION NUMBER: US 08/093,301

FILING DATE: 16-JUL-1993

PRIOR APPLICATION NUMBER: US 07/937,197

APPLICATION NUMBER: US 07/937,197
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TITLE OF INVENTION: HAVING BETA-1,3-GLUCANASE ACTIVITY NUMBER OF SEQUENCES: 111
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6262342artis Corporation
STREET: 3054 Cornwallis Road, P.O. Box 12257
CITY: Research Triangle Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CURRENT APPLICATION DATA:

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/350,600

FILING DATE:
PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/971,217

FILING DATE: US 08/971,217

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/457,364

FILING DATE: 1-MAY-1995

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/181,271

FILING DATE: 13-JAN-1994

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/093,301

FILING DATE: 1-G-JUL-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/937,197

FILING DATE: 1-APR-1991

PRIOR APPLICATION NUMBER: US 07/578,378

FILING DATE: 1-APR-1991

PRIOR APPLICATION NUMBER: US 07/305,566

FILING DATE: 1-APR-1991

PRIOR APPLICATION NUMBER: US 07/305,566

FILING DATE: 6-FEB-1989

PRIOR APPLICATION NUMBER: US 07/165,667

FILING DATE: 6-FEB-1989

PRIOR APPLICATION NUMBER: US 07/165,667

FILING DATE: 8-MAR-1988

PRIOR APPLICATION NUMBER: US 07/165,667

FILING DATE: 8-MAR-1988

PRIOR APPLICATION NUMBER: US 07/165,667

FILING DATE: B-MAR-1988

PRIOR APPLICATION NUMBER: US 08/042,847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PRIOR APPLICATION DATA

PRIOR APPLICATION NUMBER: 0. APPLICATION DATA: 0. APPLICATION DATA: 0. APPLICATION DATA: 0. APPLICATION NUMBER: US 07/632,441

FILING DATE: 21.DEC-1990

PRIOR APPLICATION DATA: 0. APPLICATION DATE: 0. APPLICATION DATA: 0. APPLICATION DATA: 0. APPLICATION DATE: 0. APPLICATION DATA: 0. APPLICATION DATA: 0. APPLICATION DATA: 0. APPLICATION DATE: 0. APPLICATION DAT
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/381,443
FILING DATE: 18-UIII-1000
                                                                                                                                                                               CITY: Research Triangle Park
STATE: NC
COUNTRY: USA
ZIP: 27709
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPATIBLE
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            FILING DATE: 7-SEP-1990
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-UNN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/329,018
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/353,312
FILING DATE: 17-MAY-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/226,303
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         S-19825/P1/CGC 1727/DIV5/CONT
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Patent No. 6262342
GENERAL INFORMATION:
APPLICANT: Meins, Frederick
APPLICANT: Wenzler, Herman
APPLICANT: Wenzler, Herman
APPLICANT: Ryals, John
APPLICANT: Ryals, John
APPLICANT: Ryals, John
APPLICANT: Ryals, John
APPLICANT: Byals, John
APPLICANT: Sperisen, Christoph
TITLE OF INVENTION: DNA SEQUENCES ENCODING POLYPEPTIDES
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Indels
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Pred. No. 89;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-JUN-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/329,018
FILING DATE: 24-MAR-1989
PRIOR APPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/165,667

FILING DATE: 8-MAR-1988

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 08/042,847

FILING DATE: 6-APR-1993

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/632,441

FILING DATE: 21-DEC-1990

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/848,506

FILING DATE: 6-MAR-1992

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/848,506

FILING DATE: 27-SEP-1991

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US 07/768,122

FILING DATE: 27-SEP-1991

PRIOR APPLICATION NUMBER: US 07/768,122

FILING DATE: 7-SEP-1991

PRIOR APPLICATION NUMBER: US 07/580,431

FILING DATE: 7-SEP-1990

PRIOR APPLICATION NUMBER: US 07/580,431

FILING DATE: 7-SEP-1990

PRIOR APPLICATION NUMBER: US 07/580,431

FILING DATE: 7-SEP-1990

PRIOR APPLICATION NUMBER: US 07/580,431

FILING DATE: 7-SEP-1990
                                      APPLICATION NUMBER: US 07/678,378
FILIND DATE: 1-APPT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/305,566
FILIND DATE: 6-FEB-1989
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/165,667
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: S-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELECOMMUNICATION INFORMATION: TELEPHONE: (919)541-8587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ch
1 Similarity 88.2%;
15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 eccreercereaserre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: nucleic acid
STRANDEDNESS: single
       PRIOR APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 88
US-09-350-600-97/c
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Best Local &
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Gaps
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                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, James
APPLICANT: Stinchcomb, James
APPLICANT: Stinchcomb, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 613 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                     DB 1;
                                                                                                                                                                                                                                               Query Match 0.9%; Score 13.8; I
Best Local Similarity 76.5%; Pred. No. 89;
Matches 13; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                               2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 13.8; D
88.2%; Pred. No. 89;
tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER: IBM COMPACTION
COPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION DATA:
PRIOR APPLICATION NUMBER: 60/005,974
FILING DATE: OCCODER 26,1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 90
2-08-58-58-040-7674/c
; Sequence 7674, Application US/08584040
; Patent No. 6346398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFRENCE/POCKET NUMBER: 218/064
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                            282 GGAGCCATCCCTGGGGA 298
                                                                                                                                                                                                                                                                                                                                                                                                                   1 GGAGCAAUCCCUGUGGA 17
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
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Best Local Similarity 88.2%
....nes 15; Conservative
                                                                17 base pairs
INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS
                                                                                                nucleic acid
EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Los Angeles
STATE: California
                                                                                                                          STRANDEDNESS: 811;
TOPOLOGY: linear
US-08-584-040-4178
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                                                                   LENGIH:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 89;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TREATMENT OF DISEASES OR CONDITIONS RELATED TO LEVELS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: 118M Compatible
OPERATING SYSTEM: 1BM P.C. DOS 5.0
SOFTWARE: WORD PERCE 5.1
CURRENT APPLICATION DATA:
APPLICATION UNMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFTCATION S14
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRILING DATE: OCTOBER 26, 1995
ATTORNEY AGENT INFORMATION:
                                                   ATTORIES 12-APR-1993
FILING DATE: 12-APR-1993
ATTORIES/AGENT INFORMATION:
NAME: Meigs, J. Timothy.
REGISTRATION NUMBER: 38,241
REPERENCE/DOCKET NUMBER: 8-198250
TELEPHONE: (919)541-8689
INFORMATION FOR SEQ ID NO: 97: SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 4178, Application US/08584040 Patent No. 6346398 GENERAL INFORMATION:
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REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1316 GCTTCGTCCTGGGGTTC 1332
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   29-JUL-1988
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 88.2
Matches 15; Conservative
                             PRIOR APPLICATION DATA:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; MOLECULE TYPE: DNA US-09-350-600-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RY: U.S.A.
90071-2066
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TELEX: 67-3510
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gibbs026-3.rni

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Sequence 1945, Application US/09371772B
; Sequence 1945, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
    APPLICANT: Ribozyme Pharmaceuticals, Inc.
    APPLICANT: Parco, Pam
    APPLICANT: Bacobado, Jaime
; APPLICANT: Bacobado, Jaime
; APPLICANT: Bacobado, Jaime
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases
; TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
; TITLE OF INVENTION NUMBER: US/09/371,772B
; CURRENT PILING DATE: 1999-08-10
; PRIOR APPLICATION NUMBER: US 60/005,974
; PRIOR APPLICATION NUMBER: US 08/584,040
; PRIOR FILING DATE: 1996-01-08
; NUMBER OF SEQ ID NOS: 14225
; SOFTWARE: PatentIn version 3.0
; ENDITH: 17
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APPLICANT: McSwiggen, Jim
APPLICANT: App
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88.2%; Pred. No. 89;
tive 0; Mismatches
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0.9%; Score 13.8; E
Best Local Similarity 76.5%; Pred. No. 89;
Matches 13; Conservative 2; Mismatches
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; Sequence 3459, Application US/09371772B
; Parent No. 6566127;
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          282 GGAGCCATCCCTGGGGA 298
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1 CUCGGAACGUGCUGGUC 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; ORGANISM: Homo sapiens
US-09-371-772B-1945
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Mus sp. US-09-371-772B-3459
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ð
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US-09-474-422B-769
Sequence 769, Application US/09474432B
Sequence 769, Application US/09474432B
Sequence 769, Application US/09474432B
Sequence 769, Application US/09474432B
Sequence 769, Application Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Beaudry, Amber
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVERNION NUMBER: US/09/474,432B
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US/09/474,432B
CURRENT PELLING DATE: 1999-11-05
PRIOR PELLING DATE: 1999-11-05
PRIOR PELLING DATE: 1999-11-04
PRIOR PELLING DATE: 1999-11-04
PRIOR PELLING DATE: 1999-11-04
PRIOR PELLING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PatentIn version 3.0
SEQ ID NO 769
LEMOTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 89; Aatches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:

APPLICANT: Lex M. Cowsert

APPLICANT: Lex M. Cowsert

TITLE OF INVENTION: ANTISENSE MODULATION OF RIP2 EXPRESSION
FILE REFERENCE: RTS-0233

CURRENT APPLICATION NUMBER: US/09/920,663

CURRENT FILING DATE: 2001-08-01

NUMBER OF SEQ ID NOS: 49

SEQ ID NO 4

LENGTH: 17
                                                                                                                                                                                                                                                   Sequence 4, Application US/09920663
Patent No. 6426221
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          275 GGACCCAGGAGCCATCC 291
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                                                                            17 GGATTCAGGAGCCATCC 1
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; FEATURE:
; OTHER INFORMATION: PCR Primer
US-09-920-663-4
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Best Local Similarity 64.74
Matches 11; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-09-474-432B-769
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                                        APPLICATION NUMBER: 09/350,600
FILING DATE: 9-JULY-1999
APPLICATION NUMBER: US 08/457,364
FILING DATE: 13-MAY-1995
APPLICATION NUMBER: US 08/181,271
FILING DATE: 13-JAN-1994
APPLICATION NUMBER: US 08/093,301
FILING DATE: 6-JUL-1993
APPLICATION NUMBER: US 07/937,197
FILING DATE: 6-JUL-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICATION NUMBER: US 07/368,672
FILING DATE: 20-701-1999
APPLICATION NUMBER: US 07/329,018
FILING DATE: 24-MAR-1989
APPLICATION NUMBER: US 07/381,443
FILING DATE: 18-JUL-1989
APPLICATION NUMBER: US 07/353,312
                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 6-APR-1993
APPLICATION NUMBER: US 07/632,441
FILING DATE: 21-DEC-1990
FILING DATE: 20-OCT 1989
APPLICATION NUMBER: US 07/425,504
APPLICATION NUMBER: US 07/848,506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US 07/678,378
ELITING DATE: 1-78R-1991
APPLICATION NUMBER: US 07/305,566
FILING DATE: 6-FEB-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/226,303
FPLING DATE: 29-UUL-1988
PPLICATION NUMBER: US 08/045,957
FILING DATE: 12-APR-1993
                                                                                                                                                                                                                                                                                                                                                                                           APPLICATION NUMBER: US 07/165,667
                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE: 8-MAR-1988
APPLICATION NUMBER: US 08/042,847
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/768,122
FILING DATE: 27-SEP-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICATION NUMBER: US 07/580,431
FILING DATE: 7-SEP-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 13.8;
88.2%; Pred. No. 89
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SEQUENCE DESCRIPTION: SEQ ID NO: 97:
US-09-906-234-97
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Meigs, J. Timothy
REGISTRATION NUMBER: 38,241
REFERENCE/DOCKET NUMBER: S-:
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Patent No. 6656700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELECOMMUNICATION INFORMATION TELEPHONE: (919) 541-8587
FILING DATE: 16-Jul-2001
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE: 17-MAY-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ILING DATE: 6-MAR-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1316 GCTTCGTCCTGGGGTTC 1332
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            INFORMATION FOR SEQ ID NO: 97:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15; Conservative
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Best Local Similarity
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                                                                                                                                                           APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Beaudry, Amber
APPLICANT: Beaudry, Anex
APPLICANT: Sweedler, Dave
APPLICANT: Sweedler, Dave
APPLICANT: Sweedler, Dave
APPLICANT: Zinnen, Shawn
ITILE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MBHB00-831-C (249/073)
CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-12-29
PRIOR PLILING DATE: 1999-12-29
PRIOR PLILING DATE: 1999-11-04
PRIOR PLILING DATE: 1998-11-04
PRIOR FILING DATE: 1998-11-04
PRIOR FILING DATE: 1998-11-05
PRIOR FILING DATE: 1999-11-05
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TITLE OF INVENTION: DNA SEQUENCES ENCODING POLYPEPTIDES
HAVING BETA-1,3-GLUCANASE ACTIVITY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DB 1; Length 17;
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COMPUTER: 18M PC compatible
ERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CORRESPONDENCE ADDRESS:
CORRESPONDENCE ADDRESS:
ADDRESSE: No. 6632981artis Corporation
STREET: 3054 Cornwallis Road, P.O. Box 12257
CITY: Research Triangle Park
STATE: NC
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APPLICATION NUMBER: US/09/906,234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 13.8;
Pred. No. 8
                                                                                              Sequence 768, Application US/09476387
Patent No. 6617438
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-906-234-97/c
; Sequence 97, Application US/09906234
; Patent No. 6632981
; GENERAL INFORMATION:
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Shinshi, Hideaki
Wenzler, Herman
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hofsteenge, Jan
Ryals, John
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 CUCGGAACGUGCUGGUC 17
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 768
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COMPUTER READABLE FORM:
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Best Local Similarity 64.7<sup>3</sup>
Matches 11; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-476-387-768
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**Gape** 

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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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Best Local Similarity 88.23
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-931
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US-09-866-108A-1536
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APPLICANT: GU, Yizhong
APPLICANT: Shannon, Mark
FILE APPLICANT: Shannon, Mark
FILE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDHMORF-8
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
PRIOR TO 0 6656700
SECOND OF 100 NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
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APPLICANT: Gu, Yizhong
APPLICANT: Shamnon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN I
FILE REPERENCE: MDhMORF-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-05-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6656700
SEQ ID NO 760
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Pred. No. 89;
0; Mismatches
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Patent No. 6686188
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Patent No. 6656700
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APPLICANT: GU, Yizhong
APPLICANT: UI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 88.2°
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                       TYPE: DNA
ORGANISM: Homo sapiens
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US-09-827-998-761
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                                                                                                                                                                                                                                                                                                   LENGTH: 17
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Sequence 1556, 1599 Section US/09866108A

Patent NO. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: BANK, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Wark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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FILE REFERENCE: AROMACA-',
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FLIING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FLLING DATE: 2000-05-26
PRIOR FLLING DATE: 2000-06-26
PRIOR FLLING DATE: 2000-10-04
PRIOR FLLING DATE: 2000-10-04
PRIOR FLLING DATE: 2000-09-27
PRIOR FLLING DATE: 2001-01-30
PRIOR FLLING D
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Pred. No. 89;
O; Mismatches
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-07
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION WUMBER: US/09/866,108A
CURRENT FILING DATE: 2000-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-00-26
PRIOR PILING DATE: 2000-00-09-26
PRIOR PILING DATE: 2000-00-09-26
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
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                 Gaps
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0; Mismatches
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88.2%; Pred. No. 89;
tive 0; Mismatches
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Patent No. 6686188
SEQ ID NO 2290
                                                                                                                                                                                                   RESULT 102
US-09-866-108A-2290/c
; Sequence 2290, Application US/09866108A
; Patent No. 6686188
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                                                                      1062 CTTCTTTGCCTTCCTCC 1078
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.99
Best Local Similarity 88.2
Matches 15; Conservative
              Conservative
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              Matches 115;
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US-09-866-108A-2295
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ATTLE OF INVENTION: MARK

TITLE OF INVENTION: MACK

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT PILING DATE: 2001-05-25

PRIOR PELICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-10-25

PRIOR FILING DATE: 2000-01-04

PRIOR PILING DATE: 2000-01-04

PRIOR PILING DATE: 2000-01-07

PRIOR PILING DATE: 2000-01-07

PRIOR PILING DATE: 2000-01-07

PRIOR PILING DATE: 2001-01-30

PRIOR PELING DATE
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APPLICANT: SHANON, Mark
TITLE OF INVENTION MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AROMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
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0.9%; Score 13.8; DB 1; Length 17;
Best Local Similarity 88.2%; Pred. No. 89;
Matches 15; Conservative 0; Mismatches 2; Indels
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR APPLICATION NUMBER: PCT/US01/00667
PRIOR PRILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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Sequence 2292, Application US/09866108A
Parent No. 6686188
GRNERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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US-09-866-108A-2291
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APPLICANT: Ji, Yongang
APPLICANT: Ji, Yongang
APPLICANT: Ji, Yongang
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: GHEN, Wensheng
APPLICANT: GHEN, Wensheng
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERENCE: AEGMICA-7
CURRENT APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: US 60/207, 456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR APPLICATION NUMBER: PCT/US01/0066
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING PRIOR P
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00665
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PLOR PLING DATE: 2001-01-30
PRIOR PLOR PLOR SEQ ID NOS: 15755
PACENT NO. 6686188
PACENT NO. 6686188
PACENT NO. 6686188
PACENT NO. 6680188
PACENT NO. 6680188
PACENT NO. 6680188
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88.2%; Pred. No. 89
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Sacont No. 6686188
SEQ ID NO 2295
LENGTH: 17
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; Sequence 2295, Application US/09866108A
; Patent NO. 6866188
; GRNERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
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Best Local Similarity 88.2
Matches 15, Conservative
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US-09-866-108A-2292
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0.9%; Score 13.8; DB 1; Length 17;

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FILING DATE: 2001-01-30
APPLICATION NUMBER: PCT/US01/00664
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; Sequence 2300, Application US/09866108A
; Patent No. 6686188
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HANZEL, David K.
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RANK, David R.
CHEN, Wensheng
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Best Local Similarity
Matches 15; Conserv
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APPLICANT: CHEN, Wenaheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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PRIOR PLLING DATE: 2000-05-26
PRIOR PLLING DATE: 2000-06-64
PRIOR PLLING DATE: 2000-06-64
PRIOR PLLING DATE: 2000-06-67
PRIOR PELLING DATE: 2000-09-27
PRIOR PELLING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PLLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
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Patent No. 6686188
SEQ ID NO 2298
Best Local Similarity 88.2%; Pred. No. Matches 15; Conservative 0; Mismat.
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Sequence 2299, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                    Application US/09866108A
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                   554 TACGGCTGTGGGCCAGG
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APPLICANT: GU, Yizhong
APPLICANT: PENN, Sharron G
APPLICANT: PENN, Sharron G
APPLICANT: HANZEL, David K
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-866-108A-2298
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ORGANISM: Homo
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APPLICAÑT: SHANNON, MArK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                   CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-09-27

PRIOR PELICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2001-01-30

PRIOR PLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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PRIOR PILING DATE: 2001-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
PRIOR PLILING DATE: 2001-01-30
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Patent No. 6686188
SEQ ID NO 2299
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Best Local Similarity 88.23
Matches 15; Conservative
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BENN, Sharron G.
APPLICANT: HAWEL, David R.
APPLICANT: HAWEL, David R.
APPLICANT: CHEN, Wensheng
TITLE OF INVENTION: WORSHELS US/99/866,108A
TITLE OF INVENTION: WORSHE: US/90/966,108A
CURRENT APPLICATION WURSHE: US/90/966,108A
PRIOR APPLICATION WURSHE: PCT/US01/00666
PRIOR APPLICATION WURSHE: PCT/US01/00666
PRIOR APPLICATION WURSHE: PCT/US01/00666
PRIOR APPLICATION WURSHE: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/USO1/00665

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

PRIOR PILING DATE: 2001-01-30

Remaining Prior Application data removed - See File Wrapper or PALM.

NUMBER OF SEQ ID NOS: 15755

SOFTWARE: Acomica Sequence Listing Engine

SEQ ID NO 2300

LENGTH.
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Best Local Similarity 88.2%; Pred. No. 89;
Matches 15; Conservative 0; Mismatches
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; Sequence 6916, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
US-09-866-108A-2300
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             THIS KERENENCE AGOVICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

FRIOR PAPLICATION NUMBER: US 60/207,456

FRIOR PAPLICATION NUMBER: US 60/207,456

FRIOR PAPLICATION NUMBER: US 60/207,456

FRIOR PAPLICATION NUMBER: GB 24263.6

FRIOR PAPLICATION NUMBER: GB 24263.6

FRIOR PAPLICATION NUMBER: PCT/US01/00666

FRIOR FILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00667

FRIOR APPLICATION NUMBER: PCT/US01/00664

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR PILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR PLING DATE: 2001-01-30

FRIOR PLING DATE: 2001-01-30

FRIOR PLING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00668

FRIOR FILING DATE: 2001-01-30

FRIOR FILING DATE: 2001-01-30
                                                                              Gaps
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0.9%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 89;
tive 0; Mismatches 2; Indels
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18.2%; Pred. No. 89;
ve 0; Mismatches 2; Indels
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US-09-866-108A-10673/c
; Sequence 10673, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
; APPLICANT: GU, Yizhong
; APPLICANT: PENN, Sharron G,
; APPLICANT: PENN, Sharron G,
; APPLICANT: PENN, Sharron G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 9024
                                                                                                                                                                                                                                                                                                                        RESULT 110
8.09-866-108A-9024/c
; Sequence 9024, Application US/09866108A
; Patent No. 6686188
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                                                                                                                                             291 CCTGGGGAAACAGAAG 307
                                                                                                                                                                                                     17 CCTGGCGAGACAGAAG 1
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APPLICANT: GI, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: FANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
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Best Local Similarity 88.29
Matches 15; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-9024
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STREET: 1920
CITY: Davis
STATE: CA
COUNTRY: USA
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APPLICANT: CHEN, Wannaheng

APPLICANT: CHEN, Wannaheng

FILE REFERENCE: AEGONICA-7

CURRENT SHANNON, MARK

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEGONICA-7

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PELING DATE: 2000-06-26

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2000-09-27

PRIOR PELING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-
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PEDLICANT: SHAMNON, Mark
TITLE OF INVENTION: MYSOIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
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Pred. No. 89;
0; Mismatches 2;
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Sequence 10674, Application US/09866108A
Patent No. 6686188
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Best Local Similarity 88.2%;
Matches 15; Conservative
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RANK, David R.
CHEN, Wensheng
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108A-10673
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PRIOR FILING DATE: 2001-01-30

PRIOR APPLICATION NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PELING DATE: 2001-01-30

PRIOR PILING DATE: 200
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COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.0 MB storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: KNAIF, VIC C.
APPLICANT: KRAID, JEAN C.
APPLICANT: KRIDL, JEAN C.
APPLICANT: SCIERREN, DONNA E.
TITLE OF INVENTION: Novel Sequences Preferent:
TITLE OF INVENTION: Expressed In Early Seed
TITLE OF INVENTION: Related Thereto
NUMBER OF SEQUENCES: 13
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
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APPLICATION UNMBER: PCT/US91/01750 FILING DATE: 19910314 CLASSIFCATION 1435 PRIOR APPLICATION NUMBER: 07/494,722 APPLICATION NUMBER: 07/494,722 FILING DATE: 16-MRZ-1990 ATTONNEY,AGENT INFORMATION: NAME: Blizabeth Lassen REGISTRATION NUMBER: 31,845 NAME: BLIZABET NUMBER: 31,845 NAME: BLIZABET NUMBER: 31,845 NAME: BLIZABET NUMBER: 31,845 NAME: BOING E SCHEFT REGISTRATION NUMBER: 34,719 REFERENCE/DOCKET NUMBER: CGNE 68WO TELECOMMUNICATION: TELEFAX: 916-753-1510 INFORMATION: TELEFAX: 916-753-1510 INFORMATION FOR SEQ ID NO: 12: SCHUMBER: SOUTH NO: 12: SCHUMBER: SO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                :-US91-01750-12/c
sequence 12, Application PC/TUS9101750
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1920 Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     15, Conservative
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TYPE: NUCLEIC ACID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity
Matches 15, Conserv
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001560-295
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: UP 8-073217
FILING DATE: 04-MAR-1996
PRIOR APPLICATION NUMBER: UP 8-352580
FILING DATE: 16-DEC-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      402 CATCATCAGCACCCTGG 418
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REGISTRATION NUMBER: 36,607
REFERENCE/DOCKET NUMBER: 001
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 caccarcarcaccing 17
           04-MAR-1997
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APPLICANT: MAGOTA, Koji

APPLICANT: MAGOTA, Yuji

APPLICANT: SUZUTA, Yuji

APPLICANT: YABUTA, Masayuki

TITLE OF INVENTION: PROCESS FOR PRODUCTION OF SECRETORY KEX2

TITLE OF INVENTION: DERIVATIVES

TITLE OF INVENTION: DERIVATIVES

TITLE OF INVENTION: DERIVATIVES

CORRESPONDENCE ADDRESS:

ADDRESSER: BURNS, DOANE, SWECKER & MATHIS

STREET: P.O. Box 1404

CITY: Alexandria

COUNTRY: United States

STATE: Virginia

COUNTRY: United States

STATE: TIBN PC compatible

COMPUTER: Ploppy disk

COMPUTER: Ploppy disk

COMPUTER: PLOPIN NUMBER: US/08/805,918
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SESULT 114

SERVICANT HOUCK, CATHERINE M.; PEAR, JULIE R.; MARTINEAU, HELINDA M.; HIATT, WILLIAM

TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR MODILATIONS OF ENDOGENOUS CYTOKININ LEVELS

MODULATIONS OF ENDOGENOUS CYTOKININ LEVELS

NUMBER OF SEQUENCES:

MODULATION OF ENDOGENOUS CYTOKININ LEVELS

INTIME OF INVENTION DATA:

APPLICATION NUMBER: US/07/554,196

FILING DATE: 19-UL-1990

PILING DATE: 19-UL-1989

PILING DATE: 19-APR-1988

PILING DATE: 15-APR-1988

PILING DATE: 15-APR-1988

PILING DATE: 5-APR-1988

PILING DATE: 5-APR-1988

PILING DATE: 5-APR-1988

PILING DATE: 5-APR-1988

PILING DATE: 5-APR-1988
                                                                                                                                     Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 89; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 13.8; DB 1; Length 17;
Pred. No. 89;
0; Mismatches 2; Indels
                           MOLECULE TYPE: other nucleic acid DESCRIPTION: synthetic oligonucleotide
                                                                                                                                                                                                                                            1316 GCTTCGTCCTGGGGTTC 1332
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Best Local Similarity 88.2%;
Matches 15; Conservative (
TOPOLOGY: linear
                                                                                PCT-US91-01750-12
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.9%; Score 13.8; DB 1; Length 18; Best Local Similarity 88.2%; Pred. No. 1e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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Sequence 35, Application US/08805918

Patent No. 5885821

GENERAL INFORMATION:
APPLICANT: MAGOTA, Koji
APPLICANT: MAGOTA, Toyofumi
APPLICANT: SUZUKI, Yuji
APPLICANT: ABOTA, BROCESS FOR PRODUCTION OF SECR
TITLE OF INVENTION: DERIVATIVES
NUMBERS OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEB: BURNS, DOANE, SWECKER & MATHIS
STREET: P.O. BOX 1404
CITY: Alexandria
STATE: Virginia
COUNTRY: United States
ZIP: 22313-1404
COMPUTER: IEMP PC COMPATION
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PATENTIN Release #1.0, Version #1.30
CURSSIFICATION NUMBER: US/08/805,918
FILING BATE: 04 MAR-1997
CLAASSIFICATION 1415

RRIOR APPLICATION DATA:
APPLICATION NUMBER: JP 8-073217
FILING DATE: 04-WAR-1996
FILING DATE: 04-WAR-1996
FILING DATE: 10-10-1996
FILING DATE: 1-10-10-1996
FILING DATE: 1-10-10-1996
FILING DATE: 1-10-10-1996
ATTORNEY/AGENT INFORMATION:
NAME: Medls.TATION NUMBER: 36,607
REGISTRATION NUMBER: 36,607
REFERENCE/DOCKET NUMBER: 001560-295
TELEPHONE: (703) 816-620
TELEPHONE: (703) 816-2021
INFORMATION FOR SEQ ID NO: 34:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
HIS-08-24-10-24
HIS-08-24-24-24
HIS-08-24-24
HIS-08-24-24-24
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HIS-08-24-24-24
HIS-08-24-24
HIS-08-24-24-24
HIS-08-24-24
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18 CACCATCATCACCCTGG 2
                                                 TYPE: DNA ORGANISM: Artificial Sequence
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TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TELEFAX: 215/994-2222
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Best Local Similarity
Matches 15; Conserva
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APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
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APPLICANT:
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                         LENGTH: 18
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Parent No. 5891671

GENERAL INFORMATION:
APPLICANT: SUZUKI, Yuji
APPLICANT: MAGOTA, Koji
APPLICANT: MAGOTA, Koji
APPLICANT: MAGOTA, Koji
APPLICANT: MASUDA, Toyofumi
TITLE OF INVENTION: METHOD FOR CLEAVING CHIMERIC ENZYME USING PROCESSING
TITLE OF INVENTION: MAETHOD FOR CLEAVING CHIMERIC ENZYME USING PROCESSING
TITLE OF INVENTION: MAETHOD FOR CLEAVING CHIMERIC ENZYME USING PROCESSING
CURRENT APPLICATION NUMBER: US/08/811,028C
CURRENT APPLICATION NUMBER: US/08/811,028C
CURRENT FILING DATE: 1996-03-04
BARLIER FILING DATE: 1996-03-04
NUMBER OF SEQ ID NOS: 54
SEQ ID NO 23
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: SUGUKI, Yuji
APPLICANT: MAGOTA, KOji
APPLICANT: MAGOTA, KOji
APPLICANT: MAGOTA, KOji
APPLICANT: MAGOTA, KOji
TITLE OF INVENTION: METHOD FOR CLEAVING CHIMERIC ENZYME USING PROCESSING
TITLE OF INVENTION: ENZYME
FILE REFERENCE: 001560-294
CURRENT APPLICATION NUMBER: US/08/811,028C
CURRENT FILING DATE: 1987-03-04
EARLIER FILING DATE: 1996-03-04
NUMBER OF SEQ ID NOS: 54
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                                                                                                                                                                                                                                                                                                                                               Gaps
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US-08-811-028-22
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0.9%; Score 13.8; DB 1; Length.18;
Best Local Similarity 88.2%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                             ch 0.9%; Score 13.8; DB 1; Length 18; 1 Similarity 88.2%; Pred. No. 1e+02; 15; Conservative 0; Mismatches 2; Indels
TELEPHONE: (703) 836-6620
TELERAX: (703) 836-2021
JINFORMATION FOR SEQ 1D NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 18 base pairs
TYPE: nucleic acid
STRANDEDENESS: single
TOPOLOGY: linear
MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "synthetic DNA"
US-08-805-918-35
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 22, Application US/08811028C
Patent No. 5891671
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                  Best Local Similarity
Matches 15; Conserva
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FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence:primer S09 US-08-811-028-23
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                                                                                                 Length 18;
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4000 Bell Atlantic Tower, 1717 Arch Stre
                                                                                            Query Match 0.9%; Score 13.8; DB 1;
Best Local Similarity 88.2%; Pred. No. 1e+02;
Matches 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ZIP: 1113-2793
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FSBEESEG for Windows Version 2.0
CURRENY APPLICATION DATA:
APPLICATION NUMBER: US/08/978,458
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILING DATE:
CLASSIFICATION: 424
PRIOR APPLICATION 9 424
PRIOR PAPLICATION DATE: 08/911,503
FILING DATE: 15-AUG-1997
APPLICATION NUMBER: PCT/US97/14436
FILING DATE: 15-AUG-1997
ATTORNEY/AGENT INFORMATION:
NAME: Dickinson, Q. Todd
REGISTATION NUMBER: 28,354
REFERENCE/DOCKET NUMBER: 28,354
REFERENCE/DOCKET NUMBER: P50533-09
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: KOGMATKA, ANNA L.
APPLICANT: Shilling, Lisa K.
APPLICANT: Stodola, Robert K.
APPLICANT: Krowles, David J. C.
APPLICANT: Hodgson, John E.
APPLICANT: Hodgson, John E.
APPLICANT: Nicholas, Richard O.
ATTLE OF INVENTION: ribA
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                         %32-08-978-458-5/c
; Sequence 5, Application US/08978458
: Patent No. 5932701
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18-09-920-760-10/c

18-09
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GENERAL INFORMATION:
APPLICAMY: The Johns Hopkins University School of Medicine
TITLE OF INVENTION: Adrenoloukodystrophy Treatments and
TITLE OF INVENTION: Drug Screening
FILE REPRESENCE: 01107, 93615
CURRENT APPLICATION NUMBER: US/09/806,254
CURRENT FILING DATE: 2001-03-28
FRIOR APPLICATION NUMBER: US 60/102,186
PRIOR PILING DATE: 1998-09-28
NUMBER OF SEQ ID NOS: 30
SOFTWARE: FABLESQ for Windows Version 3.0
SEQ ID NO 1
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 13.8; DB 1; Length 18; Best Local Similarity 88.2%; Pred. No. 1e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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88.2%; Pred. No. 1e+02;
rative 0; Mismatches 2; Indels
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CURRENT APPLICATION NUMBER: US/09/792,594
CURRENT FILING DATE: 2001-02-23
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 5
LENGTH: 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-806-254-1/c
; Sequence 1, Application US/09806254
; Patent No. 6458838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                683 CCCGTTGTGTCCTGGTC 699
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                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: PCR Primer US-09-792-594-5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   17 cereréceaceageree 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
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CORGANISM: Homo sapiens
US-09-806-254-1
                                                                                                                                                                                                                                                                    FEATURE:
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                                                                                                                                                                                                                                                                            Sequence 18, Application US/09161443A

Patent No. 6020198

GENERAL INFORMATION:
APPLICANT: Lex M. COWSERT

TITLE OF INVENTION:
FILE REFERENCE: RTS-0011

CURRENT APPLICATION NUMBER: US/09/161,443A

CURRENT FILING DATE: 1998-09-25

NUMBER OF SEQ ID NOS: 47

LENGTH: 18
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Patent No. 6020198

GENERAL INFORMATION:
APPLICANT: C. Frank Bennett
APPLICANT: Lex M. Cowsert
ITILE OF INVENTION: ANTISENSE MODULATION OF RIP-1 EXPRESSION
FILE REFERENCE: RTS-0011
CURRENT APPLICATION NUMBER: US/09/161,443A
CURRENT PILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 47
LENGTH: 18
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US-09-792-594-5
Sequence 5, Application US/09792594
Patent No. 6436706
GENERAL INFORMATION:
APPLICANT: Donna T. Ward
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RECOL4 EXPRESSION: FILE REFERENCE: RTS-0209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Ouery Match 0.9%; Score 13.8; DB 1; Length 18; Best Local Similarity 88.2%; Pred. No. 1e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.8; DB 1; Length 18;
88.2%; Pred. No. 1e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ) OTHER INFORMATION: Antisense Oligonucleotide US-09-161-443-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-09-161-443-19
                                      688 TGTGTCCTGGTCTTCGA 704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 335 ATGAGCTGATGGAGGTG 351
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                                                                                        17 TGTGTCCTGGCCTGCGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              18 GCACCCTCTACTACATG 2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 88.21
Matches 15; Conservative
                                                                                                                                                                                                                                                             US-09-161-443-18/C
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2; Indels
                            Indels
                                                                                                                                                                                                                                                                                      TITLE OF INVENTION: NOVEL SEMAPHORIN POLYPEPTIDES FILE REFERENCE: 2634-US
FILE REFERENCE: 2634-US
FILE REFERENCE: 2600-10-12
CURRENT APPLICATION NUMBER: US/09/689,012
CURRENT FILING DATE: 2000-10-12
PRIOR APPLICATION NUMBER: US 60/085,497
PRIOR FILING DATE: 1998-05-05
PRIOR FILING DATE: 1998-05-14
NUMBER OF SEQ ID NOS: 10
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Couture, Larry
APPLICANT: McSwiggen, James
APPLICANT: Bisgaler, Charles
APPLICANT: Bisgaler, Charles
APPLICANT: Pape, Michael
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: PREVENTION, INHIBITION OF
TITLE OF INVENTION: OF VASCULAR DISEASES
NUMBER OF SEQUENCES: 1243
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 13.8; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 2;
    88.2%; Pred. No. 1e+02;
ive 0; Mismatches
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
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December 23, 1994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 128
US-08-363-240A-534/c
Sequence 534, Application US/08363240A
; Patent No. 5705388
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        STREET: 633 West Fifth Street STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S. A ZIP.
                                                                                                                                                                                                       US-09-689-012-9; Sequence 9, Application US/09689012; Patent No. 6670135
                                                                      391 CTGTGTGTCTTCATCAT 407
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          565 GCCAGGGCCACCTGGAC 581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2 GCCAGGTGCCCTGGAC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 88.2%;
Matches 15; Conservative (
                                                                                                                18 crerererereaccr
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APPLICATION NUMBER: US/PILING DATE: December 2
                            15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          FEATURE:
COTHER INFORMATION: PRIMER
US-09-689-012-9
Best Local Similarity
Matches 15; Conserv
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APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Cohen, Daniel
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenfeld, Marta
APPLICANT: Chumenfeld, Marta
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US/09/422,978
CURRENT APPLICATION NUMBER: US 09/298,850
EARLIER APPLICATION NUMBER: US 60/109,732
EARLIER PILING DATE: 1999-04-21
EARLIER PILING DATE: 1998-04-21
EARLIER PILING DATE: 1998-04-21
MUMBER PILING DATE: 1998-04-21
SEALIER PILING DATE: 1998-04-21
MUMBER OF SEQ ID NOS: 11796

SEQ ID NO 11445
LENGTH: 18
                                                                                                                                                                                                                     APPLICANT: Cohen, Daniel
APPLICANT: Chen, Daniel
APPLICANT: Chen, Daniel
APPLICANT: Chunakov, 11ya
TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
FILE REFERENCE: GENSET.020CP1
CURRENT APPLICATION NUMBER: US 09/298,850
EARLIER FILING DATE: 1999-04-21
EARLIER FILING DATE: 1999-04-21
EARLIER FILING DATE: 1998-01-28
EARLIER FILING DATE: 1998-04-21
EARLIER FILING DATE: 1998-04-21
EARLIER FILING DATE: 1998-04-21
NUMBER OF SEQ ID NOS: 11796
SEQ ID NO 7807
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LOCATION: 1..18

COTHER INFORMATION: upstream amplification primer 99-4157 for SEQ 3873,

US-09-422-978-7807
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1e+02; Live 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-422-978-11445/c
; Sequence 11445, Application US/09422978
; Patent No. 6537751
                                                                                                                                                             Sequence 7807, Application US/09422978 Patent No. 6537751
       242 CTCTGCCCCCACCTCCC 258
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                                                 17 crcreccercacerci
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Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Homo Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: DNA ORGANISM: Homo Sapiens
                                                                                                                                                                                                       GENERAL INFORMATION:
                                                                                                                                       JS-09-422-978-7807/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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PRIOR APPLICATION DATA:

0.9%; Score 13.8; DB 1; Length 18;

Query Match

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                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: ARLEAT, Saghir
APPLICANT: Rell, Patricia
APPLICANT: Fell, Patricia
APPLICANT: Rell, Patricia
APPLICANT: McSwiggen, James
AITLE APPLICANT: MCSwiggen, James
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: PACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-206
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: EMA Compatible
COMPUTER: EMA Compatible
COMPUTER: EMA Compatible
COMPUTER: FastSEQ for Windows 2.0
SOFTWART: FastSEQ for Windows 2.0
SOFTWART: FastSEQ for Windows 2.0
SOFTWART: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
CLASSIFICATION DATA:
APPLICATION NUMBER: 06/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEEX: 67-3510
INFORMATION FOR SEQ ID NO: 370:
SEQUENCE CHARACTERISTICS:
PRIOR APPLICATION NUMBER: US 09/444,209
PRIOR FILING DATE: 1999-11-19
PRIOR PELORICATION NUMBER: US 09/159,274
PRIOR FILING DATE: 1998-09-22
PRIOR PLICATION NUMBER: US 60/059,473
PRIOR FILING DATE: 1997-09-22
NUMBER OF SEQ ID NOS: 1208
SOFTWARE: PACENTIN VERSION 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 370, Application US/08985162
Patent No. 6057156
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 403 ATCATCAGCACCCTG 417
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16 Arcarcaacacccrc 2
                                                                                                                                                                                                                                                                                                                                                                                                                             14; Conservative
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STRANDEDNESS: single
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US-09-479-005A-53
                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 14; Conserv
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US-08-985-162-370
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                                                                                                                                                                                                                SEQ ID NO 53
LENGTH: 16
                                                                                                                                                                                                                                                                      TYPE: RNA
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APPLICANT: Structomb, Jan
APPLICANT: Structocomb, Jan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR RILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
SEQ ID NO 5611
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8.09-479-005A-53/c
; Sequence 53, Application US/09479005A
; Patent No. 6656731
; ABLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
; FILE REPERENCE: MBHB00-884-C
; CURRENT APPLICATION UNMBER: US/09/479,005A
; CURRENT PILING DATE: 2000-01-07
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.9%; Score 13.4; Di
Best Local Similarity 93.3%; Pred. No. 80;
Matches 14; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
                                         ATTORNEY CALLS

ATTORNEY CAENT
INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 210/096
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
TELEX: (7-3510
TENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 5661, Application US/09371772B Patent No. 6566127
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  APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                               linear
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Matches 10; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-09-371-772B-5661
                                                                                                                                                                                                                                                                                                                                                                                                                     US-08-363-240A-534
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US-08-584-040-4361
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/ Match 0.9%; Score 13.4; DB 1; Length 17; Local Similarity 73.3%; Pred. No. 1.1e+02; Nes 11; Conservative 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 13.4; DB 1; Length 17;
Pred. No. 1.1e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                      US-08-584-040-2404/c

Sequence 2404, Application US/08584040

GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Sulte 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER READABLE FORM:

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" DISKette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     32,327
ER: 218/064
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REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/01
TELECOMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 2404:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                  1161 CTCCAACTACTACCG 1175
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                                                                                                                                                                                                               1 CUCCAACUUCUACCG 15
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Best Local Similarity 93.33
Matches 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 UDENCE LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           linear
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        Query Match
                                                Best Loca
Matches
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Gaps
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APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, James
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
APPLICANT: Bacobedo, Jame
TITLE OF INVENTION: NETHOD AND REAGENT FOR THE
TITLE OF INVENTION: OPNICATIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-544-040-4362
Sequence 4362, Application US/08584040
Sequence 4362, Application US/08584040
GENERAL INFORMATION:
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: GROWTH FACTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.4; DB 1; 73.3%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040
FILING DATE: January 11, 1996
CLASSIFICATION DATA:
APPLICATION NATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 0/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INPORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 31,327
REFERENCE/DOCKET NUMBER: 218/064.
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                 ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                      ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           796 CCCAGITICICAGC 810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEPHONE: (213) 489-160
TELERA: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 4
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NUMBER OF SEQUENCES:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ropology: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
Matches 11; Conserv
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US-08-584-040-4361 ; Sequence 4361, Application US/08584040

RESULT 133

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## Sequence 2129, Application US/09371772B

## APPLICANT: Ribozyme Pharmaceuticals, Inc.

## APPLICANT: McSwiggen, Jim

## APPLICANT: Stinchcomb, Dan

## APPLICANT: Westular Endothelial Growth Factor Receptor

## CURRENT FAPLICATION NUMBER: US/09/371,772B

## CURRENT FAPLICATION NUMBER: US 60/005,974

## PRIOR FILING DATE: 1995-10-26

## PRIOR FILING DATE: 1996-01-08

## NUMBER OF SEQ ID NOS: 14225

## SEQ ID NO 2129

## LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Favory, rank
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: BABBOO, 876-J (2371/198)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
RIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
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                  0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.1e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 13.4; DB 1; Length 17;
73.3%; Pred. No. 1.1e+02;
ve 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                   NB-09-371-772B-2128
Sequence 2128, Application US/09371772B
Parent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.;
APPLICANT: Pavco, Pam
                                                                                                                                                                  1513 CCCCAGGCAACTITC 1527
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     796 CCCAGITICICCAGC 810
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Query Match
Best Local Similarity 93.38
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.9%
Best Local Similarity 73.3%
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-371-772B-2128
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ORGANISM:
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US-09-371-772B-949/C

Sequence 949, Application US/09371772B

Sequence 949, Application US/09371772B

Sequence 949, Application US/09371772B

Sequence 949, Application US/09371772B

Sequence 949, Application

Sequence 949, Application

Sequence 949, Application

Sequence 949, Application

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Pavco, Pam

APPLICANT: Bacobedo, Jaim

APPLICANT: StinchComb, Dan

APPLICANT: StinchComb, Dan

APPLICANT: Method and Reagent for the Treatment of Diseases or Conditions Re

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor

TITLE OF INVENTION NUMBER: US 60/005,974

PRIOR FILING DATE: 1999-08-10

PRIOR PLING DATE: 1999-01-08

NUMBER OF SEQ ID NOS: 14225

SOFTWARE: PatentIn version 3.0

SEQ ID NO 949

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                                                                                   STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: J.S. Diskette, 1.44 Mb
SOFTWARE: Wand Perfect 5.1
CURRENT APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION UNBER: 60/005, 974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
MAME: Warburg, Richard J.
REGISTRATION NUMBER: 32, 32, 7
REFERENCE/DOCKET NUMBER: 218/064
TELEPAM: 67-3510
INFORMATION FOR SEQ ID NO: 4362:
SEQUENCE CHARACTERISTICS:
LENGTH: 1.7 base pairs
                                     ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        796 CCCAGTTTCTCCAGC 810
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: nucleic acid
STRANDEDNESS: single
       CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-949
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ઠે 셤 0.9%; Score 13.4; DB 1; Length 17;

Query Match

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                                                                                                                                                                                                                                                                        Sequence 370, Application US/09401063
; Sequence 370, Application US/09401063
; Patent No: 662365;
; GENERAL INFORMATION:
    APPLICANT: Akhtar, Saghir
    APPLICANT: Akhtar, Saghir
    APPLICANT: Pell, Patricia
    APPLICANT: PCSWiggen, James
    TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
    TITLE OF INVENTION: OF DISEASIS OR CONDITIONS RELATED
    TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
    TITLE OF INVENTION: PACTOR RECEPTORS
    NUMBER OF SEQUENCES: 1877
    CORRESPONDENCE INON ELYON & LYON
    ADDRESSEE: LYON & LYON

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Best Local Similarity 73.3%; Pred. No. ...
Marches 11; Conservative 3; Mismatches
                   Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Broxage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION DATE:
FILING DATE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 6623, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION:
                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 370:
                                                                              1512 ACCCCAGGCAACTTT 1526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1161 CTCCAACTACTACCG 1175
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14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 base pairs
nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (213)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-09-866-108A-6623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-401-063-370
                                                                                                                                                                                                                                                                     US-09-401-063-370
                   Matches
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                                                                                                                                                                                                             RESULT 138

NS-371-772B-4663/C

| Sequence 4663, Application US/09371772B
| Patent No. 6566127
| GENERAL INFORMATION:
| APPLICANT: Rabozyme Pharmaceuticals, Inc. APPLICANT: McSwiggen, Jim
| APPLICANT: Barochedo, Jaine
| APPLICANT: Stinchcomb, Dan Harbor Still Brebrence: MBHB00, 876-J (237/198)
| TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REPRENCE: MBHB00, 876-J (237/198)
| CURRENT APPLICATION NUMBER: US 60/005, 974 |
| PRIOR FILING DATE: 1996-01-08 |
| PRIOR FILING DATE: 1996-01-08 |
| NUMBER OF SEQ ID NOS: 14.225 |
| SEQ ID NO 4663 |
| LENGTH: 17 |
| LENGTH: 17 |
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US-09-371-772B-5311/c
is Sequence 5311, Application US/09371772B
is Patent No. 6566127
is Replicant: No. 6566127
is Replicant: Raiozyme Pharmaceuticals, Inc.
APPLICANT: Raiozyme Pharmaceuticals, Inc.
APPLICANT: Bavoo, Pam
is APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobed, Jaim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobed, Jaim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobed, Jaim
APPLICANT: Stinchcomb, Dan
APPLICA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
             Best Local Similarity 73.3%; Pred. No. 1.1e+02;
Matches 11; Conservative 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         O.9%; Score 13.4; DB 1; Local Similarity 93.3%; Pred. No? 1.1e+02; Nes 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.94;
                                                                                                           796 CCCAGTTTCTCCAGC 810
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                                                                                                                                                   1 CCCAGAUUCUCCAGC 15
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-371-772B-4663
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; ORGANISM: Homo sapiens
US-09-371-772B-5311
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Best Local Similarity
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14; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 14; Conserv
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Sequence 6630, Application US/09866108A

GENERAL INPORMATION:

APPLICANT: GU, Yizhong

APPLICANT: UI, Yonggang

APPLICANT: HANZEL, David K.

APPLICANT: RENN, Sharron G.

APPLICANT: RANK, David K.

APPLICANT: RANK, David K.

APPLICANT: RANK, David K.

APPLICANT: RANK, David K.

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AEGONICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT PILING DATE: 2000-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: GB 4263.6

PRIOR PILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: US 60/236,359

PRIOR FILING DATE: 2000-09-27

PRIOR APPLICATION NUMBER: PCT/USO1/00666
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                                 APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT PILING DATE: 2001-05-25

FRIOR PEPLICATION NUMBER: US 60/207,456

FRIOR PELICATION NUMBER: US 60/207,456

FRIOR PILING DATE: 2000-10-04

FRIOR PELING DATE: 2000-09-27

FRIOR PELING DATE: 2000-09-27

FRIOR FILING DATE: 2000-09-27

FRIOR FILING DATE: 2000-09-27

FRIOR PELING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00664

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR PILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR PILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR PILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR FILING DATE: 2001-01-30

FRIOR APPLICATION NUMBER: PCT/US01/00669

FRIOR FILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR FILING DATE: 2001-01-30
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0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
SPATENT NO. 6686188
SEQ ID NO 6623
LENGTH: 17
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ORGANISM: Homo sapiens
GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-09-866-108A-6623
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PRIOR FILING NOTES: COID 01-30
PRIOR FILING NOTES: COID 01-30
PRIOR PILING NOTES: COID 01-30
PROPRIES NOTES: PORTOR NOTES: PORTO
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US-08-685-558A-17/c; Sequence 17, Application US/08685558A; Patent No. 6225081
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    727 AGCTACTCCTTCCTG 741
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US-09-404-912-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 SEQ ID NO 100
LENGTH: 17
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APPLICANT: GU Yizhong
APPLICANT: PENN, Sharron G.
APPLICANT: HANEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT PAPLICATION NUMBER: US/09/866,108A
CURRENT PELING DATE: 2001-05-25
PRIOR PAPLICATION NUMBER: US 60/207,456
PRIOR PAPLICATION NUMBER: US 60/207,456
PRIOR PAPLICATION NUMBER: US 60/236,359
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2000-09-27
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
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PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/0668
PRIOR PELING DATE: 2001-01-30
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                                                                                                                                                                             Query Match
0.9%; Score 13.4; DB 1; Length 17;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 144
US-09-866-108A-10676/c
; Sequence 10676, Application US/09866108A
; Patent No. 6686188
; CANBERAL INFORMATION:
; APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 145
US-09-404-912-100/c
; Sequence 100, Application US/09404912
; Patent No. 6703228
                                                                                                                                                                                                                                                                                                                                1259 GGGTAGCCATGCTGG 1273
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ORGANISM: Homo sapiens
US-09-866-108A-10676
; LENGTH: 17
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-10675
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Sequence 109, Application US/09490692

Sequence 109, Application US/09490692

PAREEN NO. 6180353

APPLICANT: INCOMMATION:

APPLICANT: Lex M. Cowsert

TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION

FILE REFERENCE: RTS-0120

CURRENT APPLICATION NUMBER: US/09/490,692

CURRENT FILING DATE: 2000-01-24

NUMBER OF SEQ ID NOS: 176

LENGTH: 20

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
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APPLICANT: SHIMOMURA, Takeshi
APPLICANT: KAMAGUCHI, Toshiya
APPLICANT: KATAMURA, Naomi
APPLICANT: MIYAZAWA, Keiji
TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
TITLE OF INVENTION: AND METHOD OF PRODUCING THE PROTEIN
NUMBER OF SEQUENCES: 18
APPLICANT: David Houseman
APPLICANT: Barbara Jordan
APPLICANT: Barbara Jordan
APPLICANT: Barbara Jordan
APPLICANT: Alain Charea
APPLICANT: Alain Charea
TITLE OF INVENTION: Methods and Products Related to
TITLE OF INVENTION: Genotyping and DNA Analysis
FILE REPERENCE: MO656/7045 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/404,912
CURRENT APPLICATION NUMBER: US/09/101,757
PRIOR FILING DATE: 1998-09-25
PRIOR FILING DATE: 1998-09-25
PRIOR RILING DATE: 1998-09-25
PRIOR FILING DATE: 1998-09-25
NUMBER OF SEQ ID NOS: 691
SOPTWARE: FRASEQ for Windows Version 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 0.9%; Score 13.4; DB 1; Best Local Similarity 93.3%; Pred. No. 1.4e+02; Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 1.1e+02;
Matches 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; OTHER INFORMATION: Antisense Oligonucleotide US-09-490-692-109
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Gaps
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                                              0.8%; Score 13.2; DB 1; Length 17; 70.6%; Pred. No. 1.1e+02; Live 3; Mismatches 2; Indels
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100.0%; Pred. No. 1.2e+02;
cive 0; Mismatches 0; Indels
                                                                                                                                                                                                                 RESULT 149
US-08-758-306-53/c
; Sequence 53, Application US/08758306
; Patent No. 5807743
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Dan T.
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: TREATMENT OF DISEASES
TITLE OF INVENTION: INTERLEGINA RECEPTOR
TITLE OF INVENTION: GAMMA-CHAIN EXPRESSION
NUMBER OF SEQUENCES: 1379
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Sail West Fifth Street
STREET: Sail West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET: 033 WESU FILLE SCHEET
STREET: 0416 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/758,306
TILING DATE: December 3, 1996
CLASSIFICATION: 514
PRIOR APPLICATION NUMBER:
APPLICATION NUMBER:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 212/132
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 150
US-08-584-040-3741
; Sequence 3741, Application US/08584040
                                                                                                                                  876 CAGGTGGAATTATGTGG 892
                                                                                                                                                          17 CARGINGARITRIGGGG 1
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TELEX: 67-3510

INPORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         FILING DATE: ATTORNEY/AGENT INFORMATION:
                                                                                          Conservative
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Best Local Similarity 100.
Matches 13; Conservative
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                                                                Best Local Similarity
Matches 12; Conserva
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      US-09-765-449-17
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                                                Query Match
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US-09-765-449-17/C
; Sequence 17, Application US/09765449
; Patent No. 6465622
; Patent No. 6465622
; Patent No. 6465622
; RAPALICANT: SHIMOMURA, Takeshi
; KAMAGUCHI, Toshiya
; KITAMURA, Naomi
; MIYAZAWA, Keiji
; TITLE OF INVENTION: NOVEL PROTEIN, DNA CODING FOR SAME
; AND METHOD OF PRODUCING THE PROTEIN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Indels
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CORRESPONDENCE ADDRESS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS STREET: 2100 Pennsylvania Avenue, N.W.
CITY: Washington
STATE: DC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     CONDUCTOR: IRW PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/765,449
FILING DATE: 22-Jan-2001
PRIOR APPLICATION NUMBER: 08/685,558
FILING DATE: <URKNOWN-
INFORMATION FOR SEQ ID NO: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear MOLECULE TYPE: Ocher nucleic acid, synthetic DNA SRQUENCE DESCRIPTION: SEQ ID NO: 17
                                                                                                                                                                                     OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/685,558A
FILING DATE: 24-UL-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: JPA Hei 7-187135
FILING DATE: 24-UL-1995
INFORMATION FOR SEQ 1D NO: 17:
SEQUENCE CHARACTERISTICS:
ADDRESSEE: SUGHRUE, MION, ZINN, MACPEAK & SEAS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                TOPOLOGY: linear _ MOLECULE TYPE: other nucleic acid, synthetic DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match

0.8%; Score 13.2; DB 1;
Best Local Similarity 70.6%; Pred. No. 1.1e+02;
Matches 12; Conservative 3; Mismatches 2;
                   2100 Pennsylvania Avenue, N.W
                                                                               MEDIUM TYPE: Floppy Disk
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQUENCE CHARACTERISTICS:
LENGTH: 17 nucleotides
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     876 CAGGTGGAATTATGTGG 892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17 CARGINGARITRIGGGG 1
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                                                                                                                                                                                                                                                                                                                                                                                                  LENGTH: 17 nucleotides
TYPE: nucleic acid
STRANDEDNESS: single
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             STREET: ZIVV
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TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REPERDICE: MRHBOW, 276-1, (237/198)
CURRENT PEPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
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TITLE OF INVENTION: Method of Detecting Sulphate- Reducing Bacteria
FILE REFERENCE: 111628-00114
CURRENT APPLICATION NUMBER: US/09/535,012A
CURRENT FILING DATE: 2000-03-24
FRICR APPLICATION NUMBER: 9903637
PRICR APPLICATION NUMBER: 9903637
PRICR PILING DATE: 1999-03-24
SUNMER OF SEQ ID NOS: 22
SOFTWARE: Patentin Ver. 2.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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100.0%; Pred. No. 1.2e+02;
tive 0; Mismatches 0;
CURRENT APPLICATION NUMBER: US/09/474,432B
CURRENT FILING DATE: 1999-12-19
PRIOR PILING DATE: 1999-12-19
PRIOR PILING DATE: 1997-11-05
PRIOR PILING DATE: 1997-11-05
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-11-04
PRIOR PILING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR APPLICATION NUMBER: US 09/301,511
PRIOR PILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PATENTIN VERSION 3.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-00-371-772B-1508
Sequence 1508 Application US/09371772B
Patent No. 6586127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jam
MAPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: Escobedo, Jaime
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-535-012A-17/c

Sequence 17, Application US/09535012A
; Patent No. 6531281
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA
CRGANISM: Desulfovibrio vulgaris
FRATURE:
CTHER INFORMATION: aspl3 primer
US-09-535-012A-17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1381 AACTTCATGATGC 1393
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
CORGANISM: Homo sapiens
US-09-474-432B-457
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               SEQ ID NO 457
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APPLICANT: Karpeisky, Alex
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleot
FILE REFERENCE: MBHB00-831-B (247/276)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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                                                                          APPLICANT: PROCO, Pamela
APPLICANT: PROCO, Pamela
APPLICANT: Stinchcomb, James
TITLE OF INVENTION: TREATMENT OF DISEASES OR
TITLE OF INVENTION: CONDITIONS RELATED TO LEVELS
TITLE OF INVENTION: OF VASCULAR ENDOTHELIAL
TITLE OF INVENTION: GROWTH FACTOR
NUMBER OF SEQUENCES: 8502
CORRESPONDENCE ADDRESS:
ADDRESSER: Lyon & Lyon
STREET: 633 West Pifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: 8torage COMPUTER: IEM COMPATIBLE OPERATING SYSTEM: 1BM P.C. DOS 5.0 SOFTWARE: Word Perfect 5.1 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/584,040 FILING DATE: January 11, 1996 CLASSIFICATION: 514 PRIOR APPLICATION MANBER: 60/005,974 FILING DATE: October 26, 1995 ATTORNEY, APPLICATION: 10.0000 1995 ATTORNEY, 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Reigelman, Leo
APPLICANT: Beigelman, Leo
APPLICANT: Burgin, Alex
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 151

26.09-474-432B-457/c

1 Sequence 457, Application US/09474432B

1 Patent No. 6528640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      218/064
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFRENCE/DOCKET NUMBER: 218/1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 3741:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          946 GGCCGCCTCTGTG 958
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
Matches 10; Conserv
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RESULT 156
US-09-527-030G-88
; Sequence 88, Application US/09527030G
; Patent No. 649588
; GENERAL INPORMATION:
; APPLICANT: VAN DOORN, Leen-Jan et al.
; TITLE OF INVENTION: Specific reverse hybridization.
; TITLE OF INVENTION: 350-0101P
; CURRENT APPLICATION NUMBER: US/09/527,030G
; CURRENT FILING DATE: 2000-03-16
; NUMBER OF SEQ ID NOS: 497
; SEQ ID NO 88
; LENGTH: 16
; LENGTH: 16
; LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Length 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                           TITLE OF INVENTION: Polymorphisms Associated With TITLE OF INVENTION: Polymorphisms Associated With FILE REFERENCE: 01847-034210US CURRENT APPLICATION NUMBER: US/09/304,232 BARLIER APPLICATION NUMBER: US 60/084,641 BARLIER APPLICATION NUMBER: US 60/084,641 SARLIER FILING DATE: 1998-05-07 NUMBER OF SEQ ID NOS: 909 SOFTWARE: PastSEQ for Windows Version 3.0 SEQ ID NO 370 LENGTH: 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
0.8%; Score 13; DB 1; 3
Best Local Similarity 69.6%; Pred. No. 2.6e+02;
Matches 16; Conservative 1; Mismatches 6
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APPLICANT: Gerhold, David
APPLICANT: Hammond, Holly
APPLICANT: Hey, Patricia
APPLICANT: Kawaguchi, Yoshihiko
APPLICANT: Merziman, Tony R
APPLICANT: Merziker, Michael L
TITLE OF INVENTION: No. 6545137el Receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                273 CAGGACCCAGGAGCCATCCCTGG 295
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            27 CAGGGCCTGGGARAAGTCCCTGG 5
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Patent No. 6445137
GENERAL INFORMATION: Todd, John A
APPLICANT: Todd, John A
APPLICANT: Caskey, Charles T
                                                                                                                                                                                                                                                                                                                                                                                                                                   ORGANISM: Artificial Sequence
FATURE:
CTHEN INFORMATION: CYPI1B2EX3 138
US-09-304-232-370
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               151 CAATTGCTGGAGCAAG 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 CATTTGCTGGGCAAG 16
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                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: DNA
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| Sequence 456, Application US/09476387
| Sequence 456, Application US/09476387
| Patent No. 6617438
| GENERAL INFORMATION:
| APPLICANT: Ribozyme Pharmaceuticals, Inc.
| APPLICANT: Beaudry, Amber APPLICANT: Rarpeisky, Alex
| APPLICANT: Admaic, Jasenka Matulic APPLICANT: Sweedler, Dave APPLICANT: Sweedler, Dave APPLICANT: Sunen, Shawn Shaw
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; Sequence 370, Application US/09304232
; Patent No. 6525185
; GENERAL INFORMATION:
; APPLICANT: Fan, Jian Bing
; APPLICANT: Chakravarti, Aravinda
; APPLICANT: Chakravarti, Aravinda
; APPLICANT: Case Western Reserve University School of Medicine
                                                                                                                                                                                                                                                                                                                                                                                              Score 13; DB 1; Length 17;
Pred. No. 1.2e+02;
3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 13; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 13; Conservative 0; Mismatches 0; Indels
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
SEQ ID NO 1508
LENGTH: 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       946 GGCCCCTCTGTG 958
                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 76.99
Matches 10; Conservative
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                                                                                                                                                                                                                                                           TYPE: RNA

ORGANISM: Homo sapiens
US-09-371-772B-1508
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; ORGANISM: Homo sapiens
US-09-476-387-456
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OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION UNDER: US/09/402,923A
FILING DATE: 14-Feb-2001
PRIOR APPLICATION NUMBER: PCT/GB98/01102
FILING DATE: 15-APR-1998
APPLICATION NUMBER: US 60/043,553
FILING DATE: 15-APR-1997
APPLICATION NUMBER: US 60/048,740
FILING DATE: 05-JUN-1997
ATTORNEY/AGENT INPORMATION:
NAME: B.J.SadOff
REGISTRATION NUMBER: 36,663
REFERENCE/DOCKET NUMBER: 620-81
TELECOMMUNICATION INPORMATION:
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Ralease #1.0, Version #1.25
GURRBWY APPLICATION DATA:
APPLICATION NUMBER: US/08/379,081B
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US-08-379-081B-284

Sequence 284, Application US/08379081B

Patent No. 5580971

GENERAL INFORMATION:
TITLE OF INVENTION: FUNGAL DETECTION SYSTEM
NUMBER OF SEQUENCES: 407

CORRESPONDER ADDRESS:
ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
STREET: 620 NEWPORT CENTER DRIVE
CITY: NEWPORT BEACH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TOPOLOGY: linear
SEQUENCE DESCRIPTION: SEQ ID NO: 439:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FILING DATE:
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: ALTYMAN, DANIEL E
REGISTRATION NUMBER: 34,115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       INFORMATION FOR SEQ ID NO: 439:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         REFERENCE/DOCKET NUMBER: HI
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: double
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 cérécedaderacer 16
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
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EDNESS: single
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STRANDEDNESS:
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Gerhold, David
Hammond, Holly
Hey, Petricia
Kawaguchi, Yoshihiko
Merriman, Tony R
Merzer, Michael L
TITLE OF INVENTION: No. 6555654el LDL-Receptor
NUMBER OF SEQUENCES: 455
CORRESPONDENCE ADDRESS:
ADDRESSEE: Nixon and Vanderhye
STREET: 1100 No. 6555654th Glebe Road, Eighth Floor
CITY: Arlington
STREET: Virginia
COUNTRY: US
ZIP: VA 22201-4714
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                                                                                                                    SIKEET: 1100 NO. 654513/EN GIGDE KOAG, EIGHEN FLOOT CITY: Arlington STATE: Virginia COUNTRY: US
COMPUTER: Virginia
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC COMPALIDLE
OPERATING SYSTEM: PC-D65/MS-D0S
SOFTWARE: Patentin Release #1.0, Version #1.25 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/060,299
FILING DATE: 15-APR-1998
CLASSIFICATION: 435
PRICA PAPLICATION DATA:
APPLICATION NUMBER: US 60/043,553
FILING DATE: 15-APR-1997
PRICA PAPLICATION DATA:
APPLICATION NUMBER: US 60/048,740
FILING DATE: 05-JUN-1997
ATTORNEY/AGENT INFORMATION:
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                                                                     ADDRESSEE: Nixon and Vanderhye
STREET: 1100 No. 6545137th Glebe Road, Eighth Floor
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.2e+02;
Matches 14; Conservative 0; Mismatches 2;
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Patent No. 655564
GENERAL INFORMATION:
APPLICANT: Todd, John A
Hees, John W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 REGISTRATION NUMBER: 36,663
REPERENCE/DOCKET NUMBER: 620-35
TELECOMMINICATION INFORMATION:
TELEPHONE: (703)816-4091
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDIUM TYPE: Floppy disk
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEFAX: (703)816-4100
INFORMATION FOR SEQ ID NO: 439:
SEQUENCE CHARACTERISTICS:
LENGTH: 16 base pairs
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EDNESS: double
                                            CORRESPONDENCE ADDRESS
               NUMBER OF SEQUENCES:
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US-09-402-923A-439
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US-09-060-299-439
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Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 1; Mismatches 2;
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                                                                                                                                                                                                          US-08-379-078-284
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                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 455, Application US/08390850
Fatert No. 5612115
GENERAL INFORMATION
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan T.
TITLE OF INVENTION: METHINIC CONDITIONS
ITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: LYON & LYON
STREET: 633 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GOMPUTER: SUCAGES

COMPUTER: SUCAGES

COMPUTER: TRE COMPACTION

SOFTWARE: FREESEQ Version 1.5

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/390,850

FILING DATE: February 17, 1995

RELING DATE: December 13, 1994

APPLICATION NUMBER: 08/152,487

FILING DATE: December 13, 1994

APPLICATION NUMBER: 08/152,487

FILING DATE: December 12, 1993

APPLICATION NUMBER: 07/989,848

FILING DATE: December 7, 1992

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard

REGISTRATION NUMBER: 32, 327

REGISTRATION NUMBER: 32, 327

REGISTRATION NUMBER: 32, 327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        REFERENCE/DOCKET NUMBER: 211/1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELERX: 67-3510
INFORMATION FOR SEQ ID NO: 455:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                MOLECULE TYPE: CDNA to FRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
CRIGINAL SOURCE:
CREANISM: Candida glabrata
IMMEDIATE SOURCE:
CLONE: YSGCRRNAS
US-08-379-081B-284
                                                                                                                                                                                                                                                                                                                 535 ITGGCGCCGTACCAGG 550
                                                                                                                                                                                                                                                                                                                                             TIGGCGCGAACCAGG 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic access STRANDEDNESS: single TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Los Angeles
STATE: California
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U.S.A.
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0.8%; Score 12.8; DB 1; Length 17;

Query Match

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Gaps
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Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: IBM PC compatible
COMPUTER: Patentin Release #1.0, Version #1.25
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/379,078
FILING DATE: US/08/379,078
FILING DATE: US/08/379,078
FILING DATE: 12-NOV-1992
ATPONDEY/AGENT INPOMBER: US 07/974,406
FILING DATE: 12-NOV-1992
ATPONDEY/AGENT INPOMBATION:
NAMME: NATHER ADDITION: NAMMER: US 07/974,406
                                                                                                                                                                                                        Sequence 284, Application US/08379078
Fatent No. 5639612
GENERAL INFORMATION:
APPLICANT: Cooper, Allan
TITLE OF INVENTION: Gene Detection System
NUMBER OF SEQUENCES: 726
CORRESPONDENCE ADDRESS:
ADDRESSEE: KNOBBE, MARTENS, OLSON AND BEAR
STREET: 620 Newport Center Drive 16th Floor
STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ALGARDIA ANDRIA ANDRIANO ANDRES ANDRIANO ANDRES ALLEAN NUMBER: 34,115
REFERENCE/DOCKET NUMBER: 34,115
REFERENCE/DOCKET NUMBER: HITACHI.011CP2
TELECOMMUNICATION INFORMATION:
TELEPHONE: 714-760-0404
TELEPAK: 714-760-0502
INFORMATION FOR SEQ ID NO: 284: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs
TYBE: nucleic acid
STRANDEDNES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-08-462-894-35/c
; Sequence 35, Application US/08462894
; Patent No. 572313.
GENERAL INFORMATION:
; APPLICANT: NOESKE-JUNGBLUT, CHRISTIANE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Candida glabrata
IMMEDIATE SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       535 TTGGCGCCGTACCAGG 550
                                              53
                                                                                        1 cudaladducudddalg 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULE TYPE: CDNA to rRNA
HYPOTHETICAL: NO
ANTI-SENSE: NO
ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2 Tridecedeceaaccase 17
                                            38 CAGAAGGCTGGGAGG
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Query Match:

0.8%; Score 12.8; DB 1; Length 17;
Best Local Similarity 81.2%; Pred. No. 1.3e+02;
Matches 13; Conservative 1; Mismatches 2; Indels
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APPLICANT: HAENDLER, BERNHARD
APPLICANT: KRAETZSCHWAR, JOERN
APPLICANT: SCHLEUNING, WOLF-DIETER
APPLICANT: ALAGON, ALBJANDRO
APPLICANT: LOURIVAL
APPLICANT: CUEVAS-AGUIRRE, DELLA
TITLE OF INVENTION: COLLAGEN-INDUCED PLATELET AGGREGATION
TITLE OF INVENTION: INHIBITOR
NUMBER OF SEQUENCES: 36
APPLICANT: McSwiggen, James
APPLICANT: Gustofson, John
APPLICANT: Stinchcomb, Dan TILLE OF INVENTION: METHOD AND REAGENT FOR TREATMENT
TITLE OF INVENTION: OF ARTHRITIC CONDITIONS
NUMBER OF SEQUENCES: 1151
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                            COMPUTER READABLE FORM:
MEDLUM TYPE: 3.5"-Diskette, 1.44 Mb
MEDLUM TYPE: 3.5"-Diskette, 1.44 Mb
MEDLUM TYPE: 3.5"-Diskette, 1.44 Mb
MEDLUM TYPE: 1.05"-Diskette, 1.44 Mb
MEDLUM TYPE: 1.05"-Diskette, 1.44 Mb
MEDLUM TYPE: 1.05"-DISKETE
COMPUTER: 1.05 MC C. DOS 5.0
SOFTWARE: FRASCEQ Version 1.5
CURRENT APPLICATION DATA:
FILING DATE: 05-MAY-1995
CLASSIFICATION NUMBER: 08/390,850
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/354,920
FILING DATE: December 13, 1994
APPLICATION NUMBER: 08/152,487
FILING DATE: December 7, 1993
APPLICATION NUMBER: 08/152,487
FILING DATE: December 7, 1992
ATMOREY ABOUT INFORMATION:
ANAME: MACHINER DATE: December 7, 1992
ATMOREY ABOUT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-08-206-185-35/c; Sequence 35, Application US/08206185; Sequence 35, Application US/08206185; Patent No. 5756454; GENERAL INFORMATION:
                                                                                                                                                                                            ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REPERENCE/DOCKET NUMBER: 211/
TELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (713) 955-0440
TELEFAX: 67-3510
INFORMATION FOR SEQ ID NO: 455:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             38 CAGAAGGGCTGGGAGG 53
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                        CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: linear
US-08-435-634-455
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APPLICANT: HAENDLER, BERNHARD
APPLICANT: KTABTZSCHWAR, JOERN
APPLICANT: SCHLEUNING, WOLP-DIETER
APPLICANT: SCHLEUNING, ALEJANDRO
APPLICANT: GURVAS-AGUIRRE, DELIA
TITLE OF INVENTION: INHIBITOR
NUMBER OF SEQUENCES: 36
CORRESPONDENCE ADDRESS:
ADDRESSER: MILLEN, WHITE, ZELANO & BRANIGAN, P.C.
STREET: 2200 CLARENDON BLVD., SUITE 1400
CITY: ARLINGTON
STATE: VIRGINIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER: US

ZIP: 22201

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC Compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PACENTIN Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/462,894
FILING DATE: 05-UN-1995
CLASSIFICATION NUMBER: US 08/206,185
FILING DATE: 07-MR-1994
APPLICATION NUMBER: US 08/116,889
FILING DATE: 07-SEP-1993
RICH RAPPLICATION NUMBER: WO PCT/EP92/02052
FILING DATE: 17-UL-1992
RICH RAPPLICATION DATA:
APPLICATION NUMBER: US 07/914,383
FILING DATE: 17-UL-1992
RICH RAPPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 07/914,884
FILING DATE: 17-UL-1992
RICH RAPPLICATION DATA:
APPLICATION NUMBER: US 07/814,884
FILING DATE: 17-UL-1992
RICH RAPPLICATION NUMBER: US 07/756,211
FILING DATE: 05-SEP-1991
ATTORNEY/AGENT INFORMATION:
NAME: HAMLET KING, DIANA
REGISTRATION NUMBER: SCH 1359
MANE: FREERENCE/DOCKET NUMBER: SCH 1359
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 455, Application US/08435634
Patent No. 5731295
GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
APPLICANT: Pavco, Pamela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1515 CCAGGCAACTTTCTGG 1530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TELECOMMUNICATION INFORMATION TELEPHONE: 703-243-6333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     17 CCAGTTAACTTTCTGG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-08-435-634-455
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 166
US-08-292-620A-1675/C
US-08-292-620A-1675/C
Sequence 1675, Application US/08292620A
PATENT No. 5837542
GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Ban T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: BISEASER OR CONDITIONS
TITLE OF INVENTION: BISEASER OR CONDITIONS
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSES: LYON & LYON
ADDRESSES: LYON & LYON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICATION NUMBER: US/08/292,620A
FILING DATE: August 17, 1994
CLASSIPICATION: 435
PRIOR APPLICATION DATA: including application
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTEN READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: STOREGE
COMPUTEN: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WOR'D PERFECT 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                               34,115
3ER: IMSCI.002A
                 COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/766,677
                                                                                                                                    FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION 9435
PRIOR APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: ALTUMA: 34,115
REGISTRATION NUMBER: 34,115
REPRENCE/DOCKET NUMBER: IMSC
TELECOMMUNICATION INFORMATION:
TELECHONE: 714/760-9503
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             292 CTGGGGAAACAGAAAG 307
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          17 CTGCAGAACAGAAAG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                         INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: sing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       MOLECULE TYPE: CDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-766-677-5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 5, Application US/08766677;
Patent No. 5830668;
GENERAL INFORMATION:
APPLICANT: Voidani, Aristo
APPLICANT: Wordechai, Eli
TITLE OF INVENTION: Syndrome
TITLE OF INVENTION: Syndrome
NUMBER OF SEQUENCE: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive Sixteenth Flo
                    ADDRESSEE: MILLEN, WHITE, ZELANO & BRANIGAN, P.C. STREET: 2200 CLARENDON BLVD., SUITE 1400 STATE: VIRGINIA STATE: US
                                                                                                                                                                                                                                                   SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/206,185
FILING DATE: 07-MAR-1994
CLASSIFICATION: 530
                                                                                                                                                                                                                                                                                                                                                                      CLASSIFICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US 08/116,889
FILING DATE: 07-SEP-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP92/02052
PRIOR APPLICATION NUMBER: WO PCT/EP92/02052
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/914,383
FILING DATE: 17-JUL-1992
PRIOR APPLICATION NUMBER: US 07/814,884
FILING DATE: 31-DEC-1991
APPLICATION NUMBER: US 07/756,211
APPLICATION NUMBER: US 07/756,211
APPLICATION NUMBER: US 07/756,211
ATTORNEY/AGENT INFORMATION:
NAME: HAMIET-KING, DIANA
REGISTRATION NUMBER: SCH 1359
TELEPONMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: 2012,243,533
                                                                                                                                                                                      MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1515 CCAGGCAACTTTCTGG 1530
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEFAX: 703-243-6410
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17 ccagtraactricies 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-206-185-35
CORRESPONDENCE ADDRESS:
                                                                                                                                                                COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
                                                                                                                                       22201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     92660
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                                                                                                                                                                                                                                                                                                                                                                                                                              Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indela
                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match

0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Susan Grimm
APPLICANT: Busan Grimm
APPLICANT: Busan Grimm
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: BIBOZYME TREATMENT OF
TITLE OF INVENTION: BIBOZYME TREATMENT OF
TITLE OF INVENTION: BIBOZYME TREATMENT OF
TITLE OF INVENTION: BIBOZYME ADHESION
TITLE OF INVENTION: BIRTAGELLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE S.S:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 631 West Fifth Street
STREET: California
COUNTY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: STATES COMPUTER: COMPUTER: COMPUTER: COMPUTER: COMPUTER: COMPUTER: COMPUTER: COMPUTER: COMPUTER: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/29,620A
FILING DATE: August 17, 1994
CLASSIFICATION: 415
PRIOR APPLICATION DATA: including application APPLICATION DATA: including application APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 35" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-08-292-620A-1973/c
; Sequence 1973, Application US/08292620A
; Patent No. 5837542
; GENERAL INFORMATION:
                                     208/149
   REGISTRATION NUMBER: 32,327

"REFERENCE/DOCKET NUMBER: 208/1

TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440

TELEPAX: 67-3510
INFORMATION FOR SEQ ID NO: 1692:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1973:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16 GCGCTGGGAGGGGTGC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 43 GGGCTGGGAGGGAGC
                                                                                                                                                                                                                                                                          TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                   US-08-292-620A-1692
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.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Susan Grimm

APPLICANT: James McSwiggen

APPLICANT: James McSwiggen

APPLICANT: Sean Sullivan

APPLICANT: Sean Sullivan

APPLICANT: Kenneth G. Draper

ITILE OF INVENTION: RIBOZYME TREATMENT OF

TITLE OF INVENTION: RELATED TO LEVELS OF

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: INTRACELLULAR ADHESION

TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)

NUMBER OF SEQUENCES: 2390

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: G33 West Fifth Street

STREET: G41 West Fifth Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.8%; Score 12.8;
illarity 87.5%; Pred. No. 1...
Conservative 0; Mismatche
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA
         described below:
PRIOR APPLICATION DATA: described bell APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGBNT INFORMATION:
NAMB: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
FELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/08/292,620A FILING DATE: August 17, 1994 CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-292-620A-1692/c
; Sequence 1692, Application US/08292620A
; Patent No. 5837542
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43 GGCTGGGAGGGAGC 58
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
hes 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-08-292-620A-1675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local S
Matches 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     STREET:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME:
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APPLICANT: Cronin, Maureen T.
APPLICANT: Miyada, Charles Garrett
APPLICANT: Hubbell, Earl A.
APPLICANT: Hubbell, Earl A.
APPLICANT: Huang, Xiaohua C.
APPLICANT: Lipshutz, Robert J.
APPLICANT: Libshutz, Robert J.
APPLICANT: Sheldon, Edward L.
APPLICANT: Sheldon, Edward L.
TITLE OF INVENTION: Arrays of Nucleic Acid Probes for TITLE OF INVENTION: Arrays of Stick Fibrosis
NUMBER OF SEQUENCES: 250
CORRESPONDENCE ADDRESS:
ADDRESSEE: TOWNSend
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CITY: San Francisco
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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                                                                                                                                                                                                                                                                       Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.30+02; Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ACESULT 169
US-08-043-951-5/C
Sequence 5, Application US/08043951
FAPLICANT: Wordenai, Aristo
FAPLICANT: Wordenai, Bli
FITLE OF INVENTION: Breection of Chronic Fatigue
TITLE OF INVENTION: Syndrome
NUMBER OF SEQUENCES: 7
CORRESPONDENCE ADDRESS:
ADDRESSEE: Khobbe, Martens, Olson & Bear
STREET: 620 Newport Center Drive Sixteenth Flo
CITY: Newport Beach
COUNTRY: USA
ZIP: 9266
COMPUTER PITT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IMSCI.002A
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FILING DATE:
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/766,677
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Altman, Daniel E
REGISTRATION NUMBER: 34,115
FREERENCE/DOCKET NUMBER: 1MSCI.(
TELECOMMUNICATION:
""" REJECOMMUNICATION:
""" REPRENDICATION INFORMATION:
""" REPRENDICATION INFORMATION:
""" ATTORNEY OF ATTOR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 OPERATING SYSTEM: DOS
SOFTWARE: FASICESO VERSION 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/843,951
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        292 CTGGGGAAACAGAAAG 307
                                                                                                                                                                                                                                                                                                                                                                                                                               43 GGGCTGGGAGGGGAGC 58
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MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
; SEQUENCE CHARACTERISTICS:
; LENGTH: 17 base pairs
; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLGY: linear
US-08-292-620A-1973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELEX:
INFORMATION FOR SEQ ID NO: 5
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 CTGCAGAACAGAAG 2
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; MOLECULE TYPE: CDNA
US-08-843-951-5
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COMPUTER: PA11.

COMPUTER: READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: TEM PC compatible
COMPUTER: TEM PC compatible
COMPUTER: TEM PC compatible
COMPUTER: TEM PC COMPATIBLE
COMPUTER: PAPELICATION DATA:
APPLICATION NUMBER: US/08/544,381B
FILING DATE: 10-OCT-1995
CLLASSIFICATION: ADATA:
APPLICATION NUMBER: US/08/54/381B
FILING DATE: 02-AUG-1995
FILING DATE: 02-AUG-1995
FILING DATE: 02-AUG-1995
FILING DATE: 02-AUG-1995
FILING DATE: 02-AUG-1994
FILING DATE: 03-AUG-1994
FILING DATE: 03-AUG-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MOLECULE TYPE: DNA (oligonucleotide)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-08-945-654-9
; Sequence 9, Application US/08945654
; Patent No. 6071747
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1157 CCTTCTCCAACTACTA 1172
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEFAX: 415-576-0300
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
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RESULT 170 US-08-544-381B-241/c

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Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 12.8; DB 1;
Pred. No. 1.3e+02;
0; Mismatches 2;
                                                                                      GENERAL INFORMATION:
APPLICANT: Susan Grimm
APPLICANT: Susan Grimch
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: RIBOZYME ADHESION
TITLE OF INVENTION: NUTRACCLLULAR ADHESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCES: 2390
CORRESPONDENCES ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Sulte 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ZIF: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION:
PRIOR APPLICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: August 17, 1994
APPLICATION NUMBER: 08/08,985
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,949
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELECHONE: (213) 9955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1692, Application US/09071845
Patent No. 6132967
GENERAL INFORMATION:
APPLICANT: Suean Grimm
APPLICANT: Dan T. Stinchcomb
                                             Sequence 1675, Application US/09071845
Patent No. 6132967
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Scr
Best Local Similarity 87.5%; Pro
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INFORMATION FOR SEQ ID NO: 1675: SEQUENCE CHARACTERISTICS: LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 écécrédeadéderec 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-071-845-1692/c
RESULT 173
US-09-071-845-1675/c
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                 APPLICANT:
TITLE OF INVENTION: IMMORTALIZED CELL LINES FROM HUMAN
TITLE OF INVENTION: ADIPOSE TISSUE, PROCESS FOR PREPARING SAME AND APPLICATIONS
TITLE OF INVENTION: THEREOF.
NUMBER OF SEQUENCES: 22
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30 (EPO)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/945,654
FILING DATE:
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Sequence 50, Application US/08998099A

Sequence 50, Application US/0898099A

Patent No. 6103890

GENERAL INFORMATION:

APPLICANT: URAVIS, THALE

APPLICANT: MCSMIGGEN, JAMER A.

APPLICANT: STINCHCOMB, DAN T.

TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT OF DISEASES

TITLE OF INVENTION: OR CONDITIONS RELATED TO LEVELS OF C-FOS

FILE REFERENCE: 231/175

CURRENT APPLICATION NUMBER: US/08/998, 099A

CURRENT APPLICATION NUMBER: US/08/998, 099A

EARLIER APPLICATION NUMBER: 08/37,658

EARLIER PILING DATE: 1997-01-23

EARLIER PILING DATE: 1995-01-13

EARLIER FILING DATE: 1995-01-13

EARLIER FILING DATE: 1994-05-18

SEALIER PILING DATE: 1994-05-18

SEQ ID NO 50

LENGTH: 17

TUMBER: FastSEQ for Windows Version 3.0

SEQ ID NO 50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                               CLASSIFICATION: 435
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9504922
FILING DATE: 25-APR-1995
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           MOLECULE TYPE: other nucleic acid
DESCRIPTION: /desc = "PRIMER"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             985 GAGCCCTTCAGCACCC 1000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1285 GTCTCCGCAGTGGCCC 1300
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Best Local Similarity 68.8
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-08-998-099-50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         linear
  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
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Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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Sequence 5681, Application US/08584040

Patent No. 6346396

GENERAL INFORMATION:

APPLICANT: Pavco, Pamela

APPLICANT: Stinchcomb, Dan T.

APPLICANT: STONITION: OF VASCULAR ENDOTHELIAL

ITILE OF INVENTION: GROWTH FACTOR

NUMBER OF SEQUENCES: 8502

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: Suite 4700

STREET: Suite 4700

STATE: California
                                                                                                                                                                                                                                COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OOPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
              HITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               FILING DATE:
CLASSPECATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: Auguet 17, 1994
APPLICATION NUMBER: 08/008,895
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: January 19, 1993
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WALDER RECENTATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 208/149
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
SEQUENCE CHARACTERISTICS:
                                      NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             43 GGGCTGGGAGGGAGC 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               16 gcgcrgggAgggrgc 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 17 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                    CITY: Los Angeles
STATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TOPOLOGY:
US-09-071-845-1973
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-08-584-040-5681
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 12.8; DB 1; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2;
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Kenneth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: BISEASES OR CONDITIONS
TITLE OF INVENTION: RELATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHRESION
TITLE OF INVENTION: MOLECULE-1 (I-CAM-1)
NUMBER OF SEQUENCES: 2390
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 631 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STREET: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1973, Application US/09071845
Patent No. 6132967
GENERAL INFORMATION:
APPLICANT: Busan Grimm
APPLICANT: Dan T. Stinchcomb
APPLICANT: James McSwiggen
APPLICANT: Sean Sullivan
APPLICANT: Sean Sullivan
APPLICANT: Sensiblivan
APPLICANT: Remeth G. Draper
TITLE OF INVENTION: RIBOZYME TREATMENT OF
TITLE OF INVENTION: RIBATED TO LEVELS OF
TITLE OF INVENTION: INTRACELLULAR ADHESION
TITLE OF INVENTION: INTRACELLULAR ADHESION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 18M COMPATIBLE
COMPUTER: 18M COMPATIBLE
OPERATING SYSTEM: 18M P.C. DOS 5.0
SOFTWARE: WORD Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/071,845
FILING DATE: CLASSIFICATION DATA:
APPLICATION NUMBER: US/08/292,620
FILING DATE: ABOUGHT 17, 1994
APPLICATION NUMBER: 08/08,895
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 07/989,849
FILING DATE: December 7, 1992
APPLICATION NUMBER: 32,327
ATTORNEY/AGENT INFORMATION:
TELEPRANCE/DOCKET NUMBER: 32,327
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFX: 67-3510
TELEFX: 67-3510
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       43 GGCTGGGAGGGAGC 58
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TOPOLOGY: linear
US-09-071-845-1692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 175
US-09-071-845-1973/c
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Gaps
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43.8%; Pred. No. 1.3e+02;
iive 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Length 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.8%; Score 12.8; DB 1;
68.8%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/414,432B
CURRENT FILING DATE: 1999-12-19
PRIOR APPLICATION NUMBER: US 60/064,866
PRIOR FILING DATE: 1997-11-05
PRIOR FILING DATE: 1997-11-05
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-11-04
PRIOR FILING DATE: 1999-04-28
NUMBER OF SEQ ID NOS: 1526
SEQ ID NOS 1526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Mismatches
                              Sequence 448, Application US/09474432B
Patent No. 6528640
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
APPLICANT: Bugelman, Leo
APPLICANT: Bugelman, Applicant:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2567, Application US/09371772B Aptent No. 6566127 GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1181 GGAACGTGGTGGTCCA 1196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  2 GGAACGUGCUGGUCAA 17
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Best Local Similarity 43.07
Local 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 11; Consery
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Mus sp. US-09-371-772B-2567
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 179
US-09-371-772B-2567
           -09-474-432B-448
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APPLICANT: Todd, Alison
APPLICANT: Todd, Alison
APPLICANT: Cairns, Murray
ITILE OF INVENTION: Catalytic Nucleic Acid base Diagnostic Methods
ITILE OF INVENTION: Catalytic Nucleic Acid base Diagnostic Methods
ILLEREPERENCE: US/09/270,140A
CURRENT APPLICATION NUMBER: US/09/270,140A
PRIOR APPLICATION NUMBER: 60/079,651
PRIOR APPLICATION NUMBER: 60/079,651
PRIOR APPLICATION NUMBER: 60/079,651
SOFTWARE: PARENT NUMBER: 0.

SOFTWARE: PARENT NUMBER: 0.

SOFTWARE: PARENT NUMBER: 0.

SEQ ID NO 40

LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 43.8%; Pred. No. 1.3e+02; Matches 7; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MD
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                            FILING DATE: January 11, 1996
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/005,974
FILING DATE: October 26, 1995
ATTORNEY/AGENT INFORMATION:
NAME: WarDurg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/064
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/08/584,040
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 40, Application US/09270140A
Patent No. 6361941
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TELEX: 67-3510
INPORMATION FOR SEQ ID NO: 5681:
SEQUENCE CHARACTERISTICS:
LENGTH: 17 base pairs
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ORGANISM: Artificial Sequence
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(213) 955-0440
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Matches 14; Conserv
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APPLICANT: Favor, rain APPLICANT: ALTOCANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Excobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor TITLE OF INVENTION: METHOD, 876-J (217/198)
CURRENT APPLICATION NUMBER: US/09/371,772B
CURRENT FILING DATE: 1999-08-10
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: Patentin version 3.0
SEQ ID NO 2567
APPLICANT: Beaudry, Amber
APPLICANT: Karpetsky, Alex
APPLICANT: Karpetsky, Alex
APPLICANT: Adamic, Jasenka
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
TITLE OF INVENTION: Nucleotide triphosphate and their incorporation into oligonucleoti
FILE REFERENCE: MBHB00-831-B (247/276)
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Sequence 4786, Application US/09371772B

Patent No. 6566127

GENERAL INFORMATION:

APPLICANT: Ribozyme Plarmaceuticals, Inc.

APPLICANT: McSw43gen, Jim

APPLICANT: McSw43gen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel

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TITLE OF INVENTION: McHod and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION: McHod and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION: McHod and Reagent for the Treatment of Diseases or Conditions Rel

TITLE OF INVENTION UNMERR: US 60/005,974

PRIOR APPLICATION NUMBER: US 60/005,974

PRIOR PILING DATE: 1996-01-08

NUMBER OF SEQ ID NOS: 14225

SEQTHARE: PatentIn version 3.0

TENNING 11 NO 4786
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APPLICANT: Stinchcomb, Dan
APPLICANT: Scoobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: MEHBOO, 876-J (237/198)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 69/584,040
PRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE PATENT PATENT OF SEQ ID NOS: 14225
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81.2%; Pred. No. 1.3e+02;
iive 1; Mismatches 2;
                                                                                                                                                                                                            ; Sequence 4785, Application US/09371772B
; Patent No. 6566127
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.; APPLICANT: Pavco, Pam
803 TCTCCAGCTACCTCTA 818
                                                            1 ucuccaacuaccucaa 16
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Best Local Similarity 81.29
Matches 13; Conservative
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US-09-371-772B-4785
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ORGANISM: Homo sapiens
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APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Pavco, Pam

APPLICANT: Pavco, Pam

APPLICANT: Pavco, Pam

APPLICANT: Stinchcomb, Dan

APPLICANTON NUMBER: US (90/371,772B

CURRENT APPLICATION NUMBER: US (60/005,974

PRIOR APPLICATION NUMBER: US (60/005,974

PRIOR FILING DATE: 1995-10-26

PRIOR FILING DATE: 1995-10-26

PRIOR FILING DATE: 1995-10-26

NUMBER OF SEQ ID NOS: 14225

SOFTWARE: PatentIn version 3.0

SEQ ID NO 4768
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APPLICANT: Pavco, Pam
APPLICANT: Bacobado, Jim
APPLICANT: Stinchomb, Dan
APPLICANT: Stinchomb, Dan
APPLICANT: Stinchomb, Dan
APPLICANT: Scobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION NUMBER: US 60/09371,772B
CURRENT FILING DATE: 1999-00-10
FRIOR APPLICATION NUMBER: US 60/005,974
FRIOR APPLICATION NUMBER: US 60/005,974
FRIOR RELIGHT DATE: 1995-10-26
FRIOR FILING DATE: 1995-10-26
FRIOR FILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 4769
LENGTH NUMBER
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US-09-371-772B-4769
Sequence 4769, Application US/09371772B
Patent No. 6566127
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                               Sequence 4768, Application US/09371772B Patent No. 6566127
                   1354 CTCTTCCTTGTCATTG 1369
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; ORGANISM: Homo sapiens
US-09-371-772B-4769
                                                                                                                                                                                                      US-09-371-772B-4768
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APPLICANT: PRACO, Pam APPLICANT: PRACO, Pam APPLICANT: MCSWiggen, Jim APPLICANT: MCSWiggen, Jim APPLICANT: Stinchcomb, Dan APPLICANT: Stinchcomb, Dan APPLICANT: Scobedo, Jaime APPLICANT: Escobedo, Jaime TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel FILE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REPRENCE: MBH800,876-7 (237/198)

CURRENT APPLICATION NUMBER: US/09/371,72B

PRIOR APPLICATION NUMBER: US 60/005,974

PRIOR PELING DATE: 1995-10-26

PRIOR PELING DATE: 1996-01-08

NUMBER OF SEQ ID NOS: 14225

SOFTWARE PATENTIAN OF SECON OF S
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Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2;
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                      Sequence 6491, Application US/09371772B Patent No. 6566127
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            2 GCAGGACCAAGGAGAC 17
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ORGANISM: Homo sapiens
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US-09-371-772B-6686
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bayco, Pam
APPLICANT: Bayco, Pam
APPLICANT: Stinchcomb, Dan
APPLICANT: Scobedo, Jaime
APPLICANT: Bacobedo, Jaime
APPLICANT: Bacobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT PLING DATE: 1999-08-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR FILING DATE: 1996-01-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: MCSWiggen, Jim
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Jame
APPLICANT: Bacobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 68/584,040
PRIOR FILING DATE: 1995-10-08
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87.5%; Pred: No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                 Sequence 5375, Application US/09371772B Patent No. 6566127 GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 6490, Application US/09371772B Patent No. 6566127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1416 ATGGAACGTGCTGATG 1431
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 6490
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SOFTWARE: PatentIn version 3.0
SEQ ID NO 5375
17 AGGGAATGTGCTGATG 2
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Best Local Similarity 87.5;
Matches 14; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                      -09-371-772B-5375/c
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Sequence 756, Application US/09827998

Sequence 756, Application US/09827998

Sequence 756, Application US/09827998

Sequence 756, Application US/09827998

Seteman No. 6656700

APPLICANT: Shannon, Mark

TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E

FILE REFERENCE: MDhMORF-8

CURRENT PAPLICATION NUMBER: US/09/827,998

CURRENT FILING DATE: 2001-04-06

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PRILNG DATE: 2000-05-26

PRIOR FILING DATE: 2000-09-27

NUMBER OF SEQ ID NOS: 1881

SOFTWARE: Acomica Sequence Listing Engine

PACET NO 756

SEQ ID NO 756
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APPLICANT: Gu, Yizhong
APPLICANT: Shannon, Mark
APPLICANT: Shannon, Mark
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REFERENCE: MDhMORF-8
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-05-26
PRIOR PLILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Acomica Sequence Listing Engine
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87.5%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                        US-09-827-998-755
; Sequence 755, Application US/09827998
; Patent No. 6656700
1181 GGAACGTGGTCCA 1196
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Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-09-827-998-755
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COCCANISM: Homo sapiens
US-09-827-998-756
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US-09-827-998-759
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SEQ ID NO 755
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Sequence 447, Application US/09476387

Patent No. 6617438

GAPERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beiqelman, Leo
APPLICANT: Beaudry, Amer
APPLICANT: Beaudry, Alex
APPLICANT: Admic, Jasenka Matulic
APPLICANT: Application: Jusenka Matulic
APPLICANT: Saeedler, Dave
APPLICANT: Saeedler, Dave
APPLICANT: Saeedler, Dave
APPLICANT: Saeedler, Dave
APPLICANT: Somen, Shawn
FILE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleot
FILE REFERENCE: MBH800-831-C (249/073)
FRICK FILING DATE: 1999-12-29
FRIOR APPLICATION NUMBER: 09/494
FRIOR PAPLICATION NUMBER: 09/494
FRIOR PLING DATE: 1999-04-28
FRIOR PAPLICATION NUMBER: 00/083,727
FRIOR APPLICATION NUMBER: 60/083,727
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR PRICK FILING DATE: 1999-11-04
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR PRICK FILING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR PLING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/083,727
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR FILING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR FILING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR FILING DATE: 1997-11-05
FRIOR APPLICATION NUMBER: 60/084,866
FRIOR FRIENCE FRIENC
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                                                                                                   Sequence 1, Application US/09686383;
Sequence 1, Application US/09686383;
Patent No. 6607885
GENERAL INFORMATION:
APPLICANT: LAROSSA A, ROBERT
APPLICANT: LAROSSA A, ROBERT
TITLE OF INVENTION: EXPRESSION PROFILING
TITLE OF INVENTION: EXPRESSION PROFILING
FILE REPERENCE: BC1025 US NA
CURRENT APPLICATION NUMBER: US/09/686,383
CURRENT APPLICATION NUMBER: 60/159,898
PRIOR PILING DATE: 1999-10-15
NUMBER OF SEQ ID NOS: 2
SOFTWARE: Microsoft Office 97
SEQ ID NO 1
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; OTHER INFORMATION: Description of Artificial Sequence:PRIMER US-09-686-383-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity
Matches 11; Conserva
                                                                                 JS-09-686-383-1/c
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SOFTWARE: Acomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 434
LENGTH: 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 crdadadarcrdcrdg 2
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Homo sapiens
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| Sequence 762, Application US/09827998
| Sequence 762, Application US/09827998
| Patent No. 6656700
| GENERAL INFORMATION:
| APPLICANT: Gu, Yizhong |
| APPLICANT: Shannon, Mark |
| TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E FILE REFERENCE: MDHMORF-8 |
| CURRENT APPLICATION NUMBER: US/09/827,998 |
| CURRENT FILING DATE: 2001-04-06 |
| PRIOR FILING DATE: 2000-05-26 |
| PRIOR FILING DATE: 2000-05-26 |
| PRIOR FILING DATE: 2000-09-27 |
| NUMBER OF SEQ ID NOS: 1881 |
| SOFTWARE: Acomica Sequence Listing Engine |
| Patent No. 6656700 |
| SEG OLD NO 762 |
| PRIOR FILING DATE: Acomica Sequence Listing Engine |
| Patent No. 6656700 |
| PRIOR FILING DATE: Acomica Sequence Listing Engine |
| PATENT NO 762 |
| PATENT NO 763 |
| PATENT NO 763 |
| PATENT NO 763 |
| PATENT N
                                                                                                        APPLICANT: GL, Yizhong
APPLICANT: Shannon, Mark
TITLE OF INVENTION: NOVEL ISOFORMS OF HUMAN PREGNANCY-ASSOCIATED PROTEIN E
FILE REPERENCE: MDMMORF-8
CURRENT APPLICATION NUMBER: US/09/827,998
CURRENT FILING DATE: 2001-04-06
FRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-09-27
NUMBER OF SEQ ID NOS: 1881
SOFTWARE: Aeomica Sequence Listing Engine
SAFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 759
LENGTH: 17
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1.3e+02;
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0.8%; Score 12.8; I
Best Local Similarity 87.5%; Pred. No. 1.3s
Matches 14; Conservative 0; Mismatches
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Sequence 434, Application US/09866108A
Patent No. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
Sequence 759, Application US/09827998
Patent No. 6656700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 823 CTCTTCTGCCCAACAC 838
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Best Local Similarity 87.5%;
Matches 14; Conservative
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HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA; ORGANISM: Homo sapiens
US-09-827-998-759
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; ORGANISM: Homo sapiens
US-09-827-998-762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT:
APPLICANT:
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APPLICANT: SHANNOW, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REPERRICE. AEMOTICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PELING DATE: 2000-05-26
PRIOR PELING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PILING DATE: 2001-01-30
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APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David R.
APPLICANT: HANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: WYGSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-10-04
FRICK FILING DATE: 2000-10-04
FRICK FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
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Best Local Similarity
Matches 14; Conserv
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Best Local Similarity
Matches 14; Conserv
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                                                      Query Match
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APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
FILE REPERENCE: AEGNICA-7
CURRENT APPLICANTON NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-10-4
PRIOR FILING DATE: 2000-10-4
PRIOR PLING DATE: 2001-01-30
PRIOR PAPLICATION NUMBER: PCT/US01/00667
PRIOR PAPLICATION NUMBER: PCT/US01/00667
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-3
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                   PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
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; Sequence 930, Application US/09866108A
; Patent No. 6686188
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APPLICANT GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: CHEN, Wensheng
PRIOR FILING DATE: 2001-01-30
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-930
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JOHNSTAN IN COMPANY: GUI, YIZIONG
JAPPLICANY: GUI, YIZIONG
JAPPLICANY: GUI, YIZIONG
JAPPLICANY: GUI, YIZIONG
JAPPLICANY: BERN, Barron G.
JAPPLICANY: HANZEL, David K.
JAPPLICANY: SHANNON, MARK
JAPPLICANY: SHANNON, MARK
JITIE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
JITIE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
JITIE OF TRION DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/236, 359
PRIOR APPLICATION NUMBER: BY 60/236, 359
PRIOR PELING DATE: 2001-00-04
PRIOR PELING DATE: 2001-01-30
PRIOR PE
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0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 1.3e+02; tive 0; Mismatches 2; Indels
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US-09-866-108A-1200/c
Sequence 1200, Application US/09866108A
Parent No. 6686188
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 932, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION:
                                                                                                                                                          739 CTGAGAGAGGCTGTGC 754
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                                                                                 14; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-932
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1061 TCTTCTTTGCCTTCCT 1076
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CORGANISM: Homo sapiens
US-09-866-108A-1201
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ORGANISM: Homo sapiens
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Best Local Similarity
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US-09-866-108A-1416
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APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: ANAK, David R.
APPLICANT: GHEN, Wensheng
APPLICANT: GHEN, Wensheng
APPLICANT: SHANNON, MAT.
ILIE REPRENENCE: AEGMICA-1
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2001-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-05-26
PRIOR PLING DATE: 2000-00-27
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-00-27
PRIOR PELING DATE: 2000-00-27
PRIOR PLING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRIOR PREACTION NUMBER: PCT/USO1/00663
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PRIOR PRI
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Sequence 1201, Application US/09866108A

GENERAL INFORMATION:

APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: GU, Yizhong

APPLICANT: BENN, Sharron G.

APPLICANT: BENN, Sharron G.

APPLICANT: RANK, David K.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: RANK, David R.

APPLICANT: SHANNON, Mark

ITILE OP INVENTION: WORSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REFERENCE: AECONICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-09-27

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1061 TCTTCTTTGCCTTCCT 1076
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Best Local Similarity 97.5
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             .09-866-108A-1201/c
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sequence 1110, Application US/0986108A

GENERAL INFORMATION:
APPLICANT: GI, Yinhong
APPLICANT: GI, Yongang
APPLICANT: MARER: US/09/866,108A
CURRENT FILING DATE: 2001-05-26
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2001-00-04
PRIOR PILING DATE: 2001-01-30
PRI
PRIOR APPLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR PELICATION NUMBER: PCT/US01/00669

PRIOR PLING DATE: 2001-01-30

PRIOR PRIOR DATE: 2001-01-30

PRIOR PLING DATE: 201-01-30

SOFTWARE: Asomica Sequence Listing Engine

PACTION NO. 666188

SEQ ID NO. 1201

LENGTH: 17
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87.5%; Pred. No. 1.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Application US/09866108A
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; ORGANISM: Homo sapiens
US-09-866-108A-1535
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CURRENT PILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-06-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING PAPALORMANIANA PAP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: CHEN, Wensheng
APPLICANT: SHAMNON, MARK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
PILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
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                                                            0.8%; Score 12.8; DB 1; Length 17; 87.5%; Pred. No. 1.3e+02; Live 0; Mismatches 2; Indels
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Patent No. 6686188
SEQ ID NO 1417
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10.09-86-108A-1535
Sequence 1535, Application US/09866108A
Patent No. 6686188
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 1417, Application US/09866108A Patent No. 6686188
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
APPLICANT: RANKE, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
                                                                        Query Match 0.8
Best Local Similarity 87.5
Matches 14; Conservative
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US-09-866-108A-1416
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: BENN, Barron G.
APPLICANT: BENN, Barron G.
APPLICANT: BANK, David R.
APPLICANT: RANK, David R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: WOSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION: WOSSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
TITLE OF INVENTION NUMBER: US/09/866,108A
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-00-027
PRIOR FILING DATE: 2000-01-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
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                                                                                                             CURRENT FILING DATE: US/09/866,108A

FRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PELLING DATE: 2001-05-25

PRIOR PELLING DATE: 2000-05-26

PRIOR PELLING DATE: 2000-10-40

PRIOR PELLING DATE: 2000-10-40

PRIOR PELLING DATE: 2000-10-30

PRIOR PELLING DATE: 2000-09-27

PRIOR PELLING DATE: 2001-01-30

PRIOR PELLING DA
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYSOIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AROMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
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Best Local Similarity 87.5%; Pred. No. 1.30+02;
Matches 14; Conservative 0; Mismatches 2;
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Patent No. 6686188
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) ORGANISM: Homo sapiens
US-09-866-108A-1646
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APPLICANT: CHEN, Wansheng

PILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

FILE REPERENCE: AEGOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-09-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PAPLICATION NUMBER: PCT/US01/00666

PRIOR PAPLICATION NUMBER: PCT/US01/00666

PRIOR PAPLICATION NUMBER: PCT/US01/00666

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-3
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                                      PRIOR APPLICATION NUMBER: PCT/USO1/U0064
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: PCT/USO1/00663
PRIOR PLING DATE: 2001-01-30
PRIOR DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR DATE: 20
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2;
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; Sequence 1646, Application US/09866108A
; Patent No. 6686188
; GENERAL INFORMATION:
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ORGANISM: Homo sapiens
US-09-866-108A-1537
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APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, WENSHON, MAZK
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2001-05-26
PRIOR PPLICATION NUMBER: US 60/207,456
PRIOR PPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR PELING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR PELING DATE: 2001-0
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                     Score 12.8; DB 1; Length 17:;
Pred. No. 1.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-866-108A-1648/c
; Sequence 1648, Application US/09866108A
; Patent No. 6686188
; APPLICANT: GU, Yizhong
; APPLICANT: JI, Yonggang
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2289, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION: APPLICANT: GU, Yizhong
Query Match
Query Match
Best Local Similarity 87.5%; Pre
Matches 14; Conservative 0;
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Fatent No. 6666188
GGENERAL INCRAMICION:
APPLICANT GU, Yizhong
APPLICANT GU, Yizhong
APPLICANT HANZEL, David R.
APPLICANT HANZEL, David R.
APPLICANT FANK, David R.
APPLICANT CHEN, Wensheng
APPLICANT CHEN, Wensheng
APPLICANT CHEN, WOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2000-105-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR PILING DATE: 2000-100-04
PRIOR FILING DATE: 2000-00-03-26
PRIOR PILING DATE: 2000-00-03-06
PRIOR PILING DATE: 2000-00-03-06
PRIOR PILING DATE: 2000-00-03-06
PRIOR PILING DATE: 2001-01-03
PRIOR PILING DATE: 2001-01-03
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 200
FRIOR APPLICATION NUMBER: PCT/USO1/00667
FRIOR FILING DATE: 2001-01-30
FRIOR PLICATION NUMBER: PCT/USO1/00669
FRIOR PLICATION NUMBER: PCT/USO1/00665
FRIOR FILING DATE: 2001-01-30
FROM FILING DATE: 2001-01-30
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Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-09-866-108A-2301
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US-09-866-108A-6545/c
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                                           APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                      FILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEGOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT PILING DATE: 2001-05-25
FRIOR APPLICATION NUMBER: US 60/207,456
FRIOR PELING DATE: 2000-05-26
FRIOR FILING DATE: 2000-05-27
FRIOR PELING DATE: 2000-05-27
FRIOR PELING DATE: 2000-09-27
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2000-09-27
FRIOR FILING DATE: 2001-01-30
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APPLICANT: GU, Yizhong

APPLICANT: JI, Yonggang

APPLICANT: HANZEL, David K.

APPLICANT: RANK, David R.

APPLICANT: SHANNON, Wark

TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE

THE REPERROR: AEOMICA-7

CURRENT APPLICATION NUMBER: US/09/866,108A
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PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR PRIOR FILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR FILING DATE: 2001-01-30
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Sequence 2301, Application US/09866108A
Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              560 TGTGGGCCAGGGCAC 575
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         JI, Yonggang
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APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANDON, MAEK
TILE OF INVENTIONS MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT FILING DATE: 2000-05-25
PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR FILING DATE: 2001-01-30
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GENERAL INFORMATION:
APPLICANT: GV. Yizhong
APPLICANT: FRNN, Sharron G.
APPLICANT: Hank, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANK, David R.
APPLICANT: SHANK, David R.
APPLICANT: SHANK David R.
APPLICANT: SHANK DAVID R.
APPLICANT: SHANK DAVID R.
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE REFERENCE: AEOMICA-7
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87.5%; Pred. No. 1.3e+02;
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CURRENT FILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-10-04
PRIOR PILING DATE: 2000-09-27
PRIOR PILING DATE: 2000-09-27
PRIOR APPLICATION NUMBER: PCT/US01/00666
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Best Local Similarity
Matches 14; Conserv
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US-09-866-108A-6917/c
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APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: GI, Yizhong
APPLICANT: GIRN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: SHANNON, MARK
ITILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE FILE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE STORE APPLICANT OF WIMBER: US 60/207, 456
PRIOR PLING DATE: 2000-105-26
PRIOR PLING DATE: 2000-09-26
PRIOR PLING DATE: 2000-09-26
PRIOR PLING DATE: 2000-09-30
PRIOR PLING DATE: 2000-09-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/0066
PRIOR PLING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PRIOR PRINGE DATE: 2001-01-30
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87.5%; Pred. No. 1.3e+02;
iive 0; Mismatches 2; Indel's
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Pred. No. 1.3e+02;
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0.8%; Score 12.8; D
Best Local Similarity 87.5%; Pred. No. 1.3e
Matches 14; Conservative 0; Mismatches
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                                                                                                                                              Query Match
Best Local Similarity 87.54
Matches 14; Conservative
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                                               sapiens
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TYPE: DNA
ORGANISM: Homo
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: HI, Yonggang
APPLICANT: HI, Yonggang
APPLICANT: HI, Yonggang
APPLICANT: HANK, David R.
APPLICANT: HANK, David R.
APPLICANT: HANK, David R.
APPLICANT: HANK, DAVIG R.
APPLICANT: GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: ABOMICA-7
CURRENT FILING DATE: 2001-05-25
FRIOR PELICATION NUMBER: US 60/207,456
FRIOR PELICATION NUMBER: US 60/207,456
FRIOR PELICATION NUMBER: US 60/207,656
FRIOR APPLICATION NUMBER: US 60/207,656
FRIOR APPLICATION NUMBER: PCT/USO1/00666
FRIOR APPLICATION NUMBER: PCT/USO1/00666
FRIOR FILING DATE: 2001-01-30
FRIOR PELICATION NUMBER: PCT/USO1/00665
FRIOR APPLICATION NUMBER: PCT/USO1/00665
FRIOR APPLICATION NUMBER: PCT/USO1/00665
FRIOR PELICATION NUMBER: PCT/USO1/00665
FRIOR FILING DATE: 2001-01-30
FRIOR PELICATION NUMBER: PCT/USO1/00665
FRIOR FILING DATE: 2001-01-30
FRIOR 
                                                                                                                                                                                                                          Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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; Sequence 8327, Application US/09866108A
; Patent No. 6686188
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                                                ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-7706
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US-09-866-108A-7707
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SEQ ID NO 7707
LENGTH: 17
    LENGTH: 17
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FILE REFERENCE: AEOMICA-7
                   PRIOR APPLICATION NUMBER: PCT/USO1/00667

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PAPLICATION NUMBER: PCT/USO1/00664

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2010-01-30

PRIOR PL
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NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 7706
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CURRENT PELLING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-25

PRIOR FILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-05-26

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2000-09-27

PRIOR PILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30
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Patent No. 6686188
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APPLICANT: GU, Yizhong
APPLICANT: GI, Yonggang
APPLICANT: FENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
FILING DATE: 2001-01-30
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; ORGANISM: Homo sapiens
US-09-866-108A-6917
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SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo
US-09-866-108A-8328
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PPLICANT: HANZEL, David K.
PPLICANT: RANK, David R.
PPLICANT: CHEN, Wensheng
PPLICANT: SHANNON, Mark
TLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANKON, Wark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                   CURRENT APPLICATION NUMBER: US/09/666,108A

CURRENT FILING DATE: 2001-05-25

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PELICATION NUMBER: US 60/207,456

PRIOR FILING DATE: 2000-05-26

PRIOR FILING DATE: 2000-05-26

PRIOR PLING DATE: 2000-05-07

PRIOR PLING DATE: 2000-09-07

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-
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illarity 87.5%; Pred. No. 1.3e+02;
Conservative 0; Mismatches 2; Indels
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PRIOR FILING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: GB 24263.6
PRIOR FLING DATE: 2000-10-04
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR FILING DATE: 2000-09-27
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Patent No. 6686188
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Matches 14; Conserv
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; ORGANISM: Homo
US-09-866-108A-8327
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APPLICANT: HANZEL, David R.
APPLICANT: HANZEL, David R.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, WENSHENG
ENGRED BOTH CATTOR OF COLORS CO
PRIOR APPLICATION NUMBER: PCT/US01/00666

PRIOR FILING DATE: 2001-01-30

PRIOR PELIANG DATE: 2001-01-30

PRIOR PLICATION NUMBER: PCT/US01/00664

PRIOR FILING DATE: 2001-01-30

PRIOR PLICATION NUMBER: PCT/US01/00669

PRIOR FILING DATE: 2001-01-30

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30

PRIOR PRIOR PRIOR DATE: 2001-01-30

PRIOR PRIOR DATE: 2001-01-30

PRIOR PRIOR DATE: 2001-01-30

PRIOR PRIOR DATE
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Pred. No. 1.3e+02;
0; Mismatches 2; Indele
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GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1067 TIGCCTICCTCCATIG 1082
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Best Local Similarity 87.5%;
Matches 14; Conservative
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APPLICANT: HARLEL, DAVIG A.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
TITLE OF INTWENTION: MYCSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2000-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/207,666
PRIOR PILING DATE: 2000-09-27
PRIOR FILING DATE: 2000-09-27
PRIOR PILING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00666
PRIOR APPLICATION NUMBER: PCT/US01/00669
PRIOR FILING DATE: 2001-01-30
PRIOR PRIOR APPLICATION NUMBER: PCT/US01/00663
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APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: GU, Yizhong
APPLICANT: HI, Yonggang
APPLICANT: FERN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: TANK, David R.
APPLICANT: STANNON, MARK
FILE REFERENCE: ACOULOUSE ACOULOUSE ACOULOUSE ACOULOUSE ACOURENT STANNON, WAYE
CURRENT STILING DATE: 2001-05-25
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-46
PRIOR FILING DATE: 2000-05-26
PRIOR PRILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
PRIOR FILING DATE: 2000-10-04
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87.5%; Pred. No. 1.3e+02;
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SOFTWARE: Acomica Sequence Listing Engine
Patent No. 6686188
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; Sequence 8362, Application US/09866108A
; Patent No. 6686188
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Best Local Similarity 87.5
Matches 14; Conservative
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US-09-866-108A-8361
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SEQ ID NO 8361
LENGTH: 17
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APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REPERENCE: ABONICA-7

CURRENT APPLICATION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
CURRENT APPLICATION NUMBER: US/09/866,108A

CURRENT APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-60-26

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-04

PRIOR FILING DATE: 2000-10-03

PRIOR FILING DATE: 2001-01-30

PRIOR PLING DATE:
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US-09-866-108A-8352/c
'S Sequence 8352, Application US/09866108A
; Patent No. 6686188
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US-09-866-108A-8361/c
; Sequence 8361, Application US/09866108A
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87.5%; Pred
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yongang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 87.5;
Matches 14; Conservative
                                                                        TYPE: DNA
CORGANISM: Homo sapiens
US-09-866-108A-8351
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ORGANISM: Homo sapiens
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US-09-866-108A-9020/c
SEQ ID NO. 6686188
SEQ ID NO.8928
'LENGTH: 17
                                                                                                                                                                                                  ) ORGANISM: Homo US-09-866-108A-8928
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                                                                                         PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00667
PRIOR PLICATION NUMBER: PCT/US01/00664
PRIOR PLICATION NUMBER: PCT/US01/00664
PRIOR PLICATION NUMBER: PCT/US01/00669
PRIOR PLILNG DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLICATION NUMBER: PCT/US01/00665
PRIOR PLING DATE: 2001-01-30
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ning Prior Application data removed - See File Wrapper or PALM
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Pred. No. 1.3e+02;
0; Mismatches 2;
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 87.5
Matches 14; Conservative
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APPLICANT: BENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, Barton G.
APPLICANT: RANK, Barid R.
APPLICANT: CHEN, Wensheng
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2000-10-5-26
PRIOR FILING DATE: 2000-10-6-4
PRIOR PLILING DATE: 2000-10-6-4
PRIOR PLILING DATE: 2000-10-30
PRIOR PLILING DATE: 2001-01-30
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                                                                                                Length 17;
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87.5%; Pred. No. 1.3e+02;
tive 0; Mismatches 2;
                                                                                                Query Match 0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 1.38+02;
Matches 14; Conservative 0; Mismatches 2;
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SOFTWARE: Acomica Sequence Listing Engine
atent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8929, Application US/09866108A Patent No. 6686188 GENERAL INFORMATION:
APPLICANT: GU, Yizhong APPLICANT: JI, Yonggang
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; ORGANISM: Homo sapiens
US-09-866-108A-8929
sapiens
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: GU, Yizhong
APPLICANT: JU, Yonggang
APPLICANT: JU, Yonggang
APPLICANT: GU, Yizhong
APPLICANT: HANZEL, David K.
APPLICANT: HANZEL, David K.
APPLICANT: RHANK, David R.
APPLICANT: RHANK, Mark
ITILE REPREBRENCE: AEOMICA-7
ITILE REPREBRENCE: AEOMICA-7
ITILE REPREBRENCE: AEOMICA-7
CURRENT APPLICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PLICATION NUMBER: US 60/236,359
PRIOR PLICATION NUMBER: EDT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PLICATION NUMBER: PCT/US01/00666
PRIOR PLILING DATE: 2001-01-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 9021
LENGTH: 17
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    PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PLING DATE: 2000-09-27
PRIOR PLING DATE: 2000-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00667
PRIOR PLING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR PLING DATE: 2001-01-30
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Sequence 9023, Application US/09866108A
Patent No. 6686188
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; ORGANISM: Homo sapiens
US-09-866-108A-9021
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                                                | PACENT NO. 6665188
| GENERAL INFORMATION:
| APPLICANT: U. Yizhong
| APPLICANT: U. Yizhong
| APPLICANT: DENN' SHATON G.
| APPLICANT: PENN' SHATON G.
| APPLICANT: PENN' SHATON G.
| APPLICANT: PENN' SHATON G.
| APPLICANT: RANK, DAVIG R.
| APPLICANT: RANK, DAVIG R.
| APPLICANT: SHANDN, MARK
| TILLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE CURRENT PILIOR DATE: 2001-05-25
| PRIOR PELICATION UNMERS: US 60/207, 456
| PRIOR PELICATION NUMBER: US 60/207, 456
| PRIOR PELICATION NUMBER: US 60/203, 6
| PRIOR PELICATION NUMBER: PCT/US01/0066
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APPLICANT: HANZEL, David K.
APPLICANT: RANK, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AGOMICA-7
CURRENT APPLICATION NUMBER: US/09/866,108A
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-05-26
PRIOR FILING DATE: 2000-06-26
PRIOR FILING DATE: 2000-01-26
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Sequence 9020, Application US/09866108A
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APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: PRANZEL, David K.
APPLICANT: RANZE, David K.
APPLICANT: CHEN, Wensheng
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ORGANISM: Homo sapiens
US-09-866-108A-9020
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APPLICANT: SHAMNON, Mark
TITLE OF INVENTION: MOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
FILE REFERENCE: AEOMICA-7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/09/866,108A
CURRENT FILING DATE: 2001-05-25
FRIOR PAPLICATION NUMBER: US 60/207,456
FRIOR PAPLICATION NUMBER: US 60/207,456
FRIOR PELING DATE: 2000-05-26
FRIOR APPLICATION NUMBER: GB 24263.6
FRIOR APPLICATION NUMBER: GC 60/236,359
FRIOR APPLICATION NUMBER: PCT/US01/00666
FRIOR FILING DATE: 2001-01-30
FRIOR PILING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR PLING DATE: 2001-01-30
FRIOR PELICATION NUMBER: PCT/US01/00669
FRIOR PELICATION NUMBER: PCT/US01/00669
FRIOR APPLICATION NUMBER: PCT/US01/00669
FRIOR PELING DATE: 2001-01-30
FRIOR PELICATION NUMBER: PCT/US01/00668
FRIOR PELING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00663
FRIOR PELING DATE: 2001-01-30
FRIOR APPLICATION NUMBER: PCT/US01/00663
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                                                                                                                                                                                                                                              Length 17;
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                                                                                                                                                                                                                                       Score 12.8; DB 1;
Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                   0; Mismatches
SOFTWARE: Aeomica Sequence Listing Engine
Patent No. 6686188
SEQ ID NO 9023
LENGTH: 17
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SEQ ID NO 9025
LENGTH: 17
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; Sequence 9025, Application US/09866108A
; Patent No. 6686188
                                                                                                                                                                                                                                                                                                                                                                  1150 TCAACGTCCTTCTCCA 1165
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Best Local Similarity 87.5%;
Matches 14; Conservative
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RANK, David R.
CHEN, Wensheng
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                                                                                                                       ; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-866-108A-9023
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Matches 14, Conserv
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RESULT 226

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| Sequence 9829, Application US/09866108A |
| Patent No. 666518 |
| SMREAL HFORMATION! |
| APPLICANT: GENTA WESTERN |
| APPLICANT: G
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Gaps

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Query Match 0.8%; Score 12.8; DB 1; Length 17; Best Local Similarity 87.5%; Pred. No. 1.3e+02; Matches 14; Conservative 0; Mismatches 2; Indels
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APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Petraticia
APPLICANT: Fell, Petraticia
APPLICANT: McSwiggen, James
TITLE OF INVENTION: ENZYMATIC NUCLEIC ACID TREATMENT
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERMAL GROWTH
TITLE OF INVENTION: FACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     549624-10
; Patent No. 5496924

APPLICANT: HABERMANN, PAUL; WENGENMAYER, FRIEDRICH
; TITLE OF INVENTION: FUSION PROTEIN COMPRISING AN
; INTERLEUKIN-2 FRAGMENT BALLAST PORTION
; UNMER OF SEQUENCES: 56
; CURRENT APPLICATION DATA:
; FILING DATE: 28-DEC-1992
; PRIOR APPLICATION DATA:
; RELING DATE: 28-DEC-1992
; RELING DATE: 10-UUL-1989
; FILING DATE: 10-UUL-1989
; FILING DATE: 10-UUL-1989
; FILING DATE: 10-UUL-1989
; FILING DATE: 10-UUL-1989
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Best Local Similarity 87.5%; Pred. No. 1.3e+02;
Matches 14; Conservative 0; Mismatches 2;
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STATE: California
COUNTR: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
                                                   SOFTWARE: Acomica Sequence Listing Engine Patent No. 6686188
SEQ ID NO 10672
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1261 GTAGCCATGCTGGGTG 1276
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FILING DATE: 25-NOV-1986
APPLICATION NUMBER: 943,804
FILING DATE: 19-DEC-1986
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              NUMBER OF SEQ ID NOS: 15755
                                                                                                                                                                                                                                 TYPE: DNA
ORGANISM: Homo sapiens
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US-08-985-162-1812
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FRIOR PILING DATE: 2001-01-30

FRIOR PELING DATE: 2001-01-30

FRIOR PILING DATE: 2001-01-30

FRIOR FILING DATE: 2001-01-30

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Patent No. 6686188
Patent No. 668618
APPLICANT: GU, Yizhong
APPLICANT: JI, Yonggang
APPLICANT: BNN, Sharron G.
APPLICANT: RANK, David K.
APPLICANT: RANK, David K.
APPLICANT: HANSEL, David K.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: MYOSIN-LIKE GENE EXPRESSED IN HUMAN HEART AND MUSCLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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87.5%; Pred. No. 1.3e+02;
tive 0; Mismatches 2; Indels
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                                     APPLICATION NUMBER: US 60/236,359
FILING DATE: 2000-09-27
APPLICATION NUMBER: PCT/US01/00666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1138 GACTGGTGGAACTCAA 1153
FILING DATE: 2000-10-04
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Matches 14; Conservative
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                                                        TITLE OF INVENTION: ENTYMATIC NUCLEIC ACID TREATMENT
TITLE OF INVENTION: OF DISEASES OR CONDITIONS RELATED
TITLE OF INVENTION: TO LEVELS OF EPIDERWAL GROWTH
TITLE OF INVENTION: FACTOR RECEPTORS
NUMBER OF SEQUENCES: 1877
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                   CITY: Los Angeles
STARE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER RADABLE FORM:
MEDIUM TYPE: 35" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/985,162
FILING DATE: 04 December 1997
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FRAESER for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/401,063
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION NUMBER: 09/063,667
PRIOR FILING DATE: 1998-04-21
PRIOR APPLICATION NUMBER: 60/046,147
PRIOR FILING DATE: 1997-05-09
PRIOR APPLICATION NUMBER: 60/044,492
PRIOR FILING DATE: 1997-04-21
                                                                                                                                                                                                 ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1812:
SEQUENCE CHARACTERISTICS:
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nucleic acid
DEDNESS: single
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Best Local Similarity 78.6
Matches 11; Conservative
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Sequence 11, Application US/09504132
Sequence 11, Application US/09504132
Sequence 11, Application US/09504132
GENERAL INFORMATION:
APPLICANT: Caponigro, Giordano Michael
TITLE OF INVENTION: METHODS FOR IDENTIFYING AGENTS THAT CAUSE A LETHAL
TITLE OF INVENTION: PHENOTYPE, AND AGENTS THEREOF
FILE REPRENCE: 29345/36169
CURRENT APPLICATION NUMBER: US/09/504,132
CURRENT APPLICATION NUMBER: US/09/504,132
CURRENT PILING DATE: 2000-02-15
NUMBER OF SEQ ID NOS: 26
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 11
LENGTH: 14
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Pred. No. 1e+02;
2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                / Match 0.8%; Score 12.4; DB 1; Length 14; Local Similarity 92.9%; Pred. No. 1e+02; nes 13; Conservative 0; Mismatches 1; Indels
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ for Windows 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/985,162
FILING DATE: 04 December 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/036,476
FILING DATE: 31 January 1997
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J.
REGISTRATION NUMBER: 230/107
REFERENCE/DOCKET NUMBER: 230/107
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPAX: 67-3510
INFORMATION FOR SEQ ID NO: 1812:
SEQUENCE CHARACTERISTICS:
LENGTH: 14 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1812, Application US/09401063
Patent No. 623962
GENERAL INFORMATION:
APPLICANT: Akhtar, Saghir
APPLICANT: Fell, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         442 AGGCTGCTGCTGGA 455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              183 GGAGCTGCTGGATC 196
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 78.6%
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14 GGAGCTTCTGGATC 1
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Matches
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Sequence 115, Application US/09874601

Patent No. 6632057

GENERAL INFORMATION:
APPLICANT: LEWIN, ALFRED S.
APPLICANT: SHAW, LYNN C.
APPLICANT: GRAWT, MARIA B.
TITLE OF INVENTION: THE TREATMENT OF RETINAL DISEASES
FILE REFERENCE: 4300.014100
CURRENT APPLICATION NUMBER: US/09/874,601

1-1-1-XTV- ---

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Gaps

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14 CTGATGGAGGTGGA
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                                                                                                                                                                                                                                                     Query Match 0.8%; Score 12.4; DB 1; Length 14; Best Local Similarity 78.6%; Pred. No. 1e+02; Matches 11; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1.2e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 234
US-08-182-968A-139/C
Sequence 139, Application US/08182968A
Patent No. 5610054
GENERAL INFORMATION:
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: INHIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                              NAME/KEY: misc feature
LOCATION: ()...()
CTHEN INFORMATION: SYNTHETIC OLIGONUCLECTIDE
US-09-874-601-115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  STATE: Call.
COUNTRY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/182,968A
FILING DATE: 13-JANUARY-1994
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/882,888
FILING DATE: 14-MAY-1992
ATTONNEY,AGENT INFORMATION:
NAME: WARDLEY RICHARD J. 32,327
REGISTRATION NUMBER: 32,327
RECISTRATION NUMBER: 32,327
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION 1NFORMATION:
TELECOMMUNICATION 1NFORMATION:
TELECOMMUNICATION 1NFORMATION:
TELEFRAME: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        139:
NUMBER OF SEQ ID NOS: 182
SOFTWARE: Patentin version 3.0
SEQ ID NO 115
LENGTH: 14
                                                                                    TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                            72 CTGTGGAGATGGAA 85
                                                                                                                                                                                                                                                                                                                                                                    1 CUGUGGAGAAGGAA 14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: (213) 955-044
TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Best Local Similarity 92.9
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-182-968A-139
                                                                                                                            FEATURE:
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0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 855, Application US/08585684B

Batent No. 5877021

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale

APPLICANT: Marvis, Thale
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
                                                                                                             GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: INVIBITING HEPATITIS C
TITLE OF INVENTION: VIRUS REPLICATION
NUMBER OF SEQUENCES: 497
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                   CITY: Los Angeles
COUNTY: Los Angeles
STATE: California
COUNTY: U.S.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/74,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION NUMBER: 09/182,968
FILING DATE: MAN 14, 1992
APPLICATION NUMBER: 07/682,888
FILING DATE: MAY 14, 1992
APPLICATION NUMBER: 07/682,888
FILING DATE: MAY 14, 1992
APPLICATION NUMBER: 223/227
TELECOMMUNICATION NUMBER: 223/227
TELECOMMUNICATION INFORMATION:
TELEFRAX: (213) 955-0440
RESULT 235
US-08-774-306A-139/c
; Sequence 139, Application US/08774306A
; Patent No. 5869253
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 139:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      340 CTGATGGAGGTGCA 353
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: nucleic acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-774-306A-139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 236
US-08-585-684B-855
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Gaps

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340 CTGATGGAGGTGCA 353

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Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 64.3%; Pred. No. 1.2e+02; Matches 9; Conservative 4; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        GENERAL INCRNATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
APPLICANT: JARVIS, Thale
APPLICANT: JARVIS, MCSWIGGEN, JAMMES
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              COMPUTER READABLE FORM:

MEDIUM TYPE: 35" Diskette, 1.44 Mb
MEDIUM TYPE: 35" Diskette, 1.44 Mb
MEDIUM TYPE: 8100000

COMPUTER: 1BM Compatible
COMPUTER: 1BM Compatible
COMPUTER: 1BM Compatible
OPERATING SYGTEM: 1BM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/58,684B
FILING DATE: JANUAR: 60/000,951
APPLICATION NUMBER: 60/000,951
ATTONNEY AGENT INFORMATION:
NAME: WAYDING REPRESENCE/DOCKET NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMUNICATION INFORMATION:
                                        PATIONE NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1398: SEQUENCE CHARACTERISTICS: LENGTH: 15 base pairs
TYPE: nucleic acid
STRANBENBES: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-08-585-684B-1801/c
; Sequence 1801, Application US/08585684B
; Patent No. 5877021
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STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1038 AGGCATCTTCATGC 1051
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TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    STRANDEDNESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: 1. US-08-585-684B-1398
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ò
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Sequence 1398, Application US/08585684B

Sequence 1398, Application US/08585684B

Sequence 1398, Application US/08585684B

SEGUENCE SET OF SET
                                                                                                                                  CITY: Los Angeles
COUNTY: Los Angeles
STATE: California
COUNTY: U.S.A.
ZIP: 90071
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
SOFTWARE: FastSEQ Version 1.5
SOFTWARE: Angeles UNAR:
APPLICATION NUMBER: US/08/58,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    COMPUTER: IBM COMPATIBLE
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FRACSED Version 1.5
CURRENT APPLICATION DATA:
FILING DATE: January 16, 1996
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INFORMATION FOR SEQ ID NO: 855: SEQUENCE CHARACTERISTICS: LENGTH: 15 base pairs TYPE: nucleic acid STRANEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           880 TGGAATTATGTGGC 893
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GENERAL INFORMATION:
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                                                                                                                 Gaps
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                                                         Query Match 0.8%; Score 12.4; DB 1; Length 15; Best Local Similarity 92.9%; Pred. No. 1.2e+02; Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.4; DB 1; Length 15;
Pred. No. 1.2e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                  US-08-585-684B-1802/c
; Sequence 1802, Application US/08585684B
; Patent No. 5877021
; GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: MCSAigen, James
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: ADDRESSE
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4710
CITY: Los Angeles
CATATE: California
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FESTERED Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: July 7, 1995
ATTORNEY/AGERT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1803, Application US/08585684B Patent No. 5877021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NAME: WALDING, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 32,327
TELECOMUNICATION INFORMATION:
TELEPAN: (213) 955-0440
TELEPAN: (213) 955-0440
INFORMATION FOR SEQ ID NO: 1802: SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
TYPE: nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.8%;
Best Local Similarity 92.9%;
Matches 13; Conservative
                                                                                                                                              77 GAGATGGAAACACT 90
                                                                                                                                                                             15 GAGATGGAAACTCT 2
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US-08-585-684B-1801
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APPLICANT: Activity Thale T.
APPLICANT: Javies This and T.
APPLICANT: Javies This and T.
APPLICANT: Activity Thale This and TITLE OF INVENTION: METHOD AND REAGENT FOR THE TITLE OF INVENTION: METHOD AND REAGENT FOR THE TITLE OF INVENTION: AND STEVERAL OF INMUME RESPONSES TOWN THE CALL OF AND STEVERAL OF THE TITLE OF INVENTION: AND STEVERAL OF THE TITLE OF INVENTION DATE: AND STEVERAL OF THE TITLE O
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218/078
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NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE DOCKET NUMBER: 218/(
TELECHONE: (213) 955-0440
TELEPHONE: (213) 955-0440
TELEPHONE: 7-3510
TELERX: 67-3510
TELEX: 67-3510
TELEX: 57-3510
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PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                          TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 139:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
                                                         32,327
                                                                     REFERENCE/DOCKET NUMBER: 27 TELECOMMUNICATION INFORMATION TELEPHONE: (213) 489-1600 TELEFAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       340 CTGATGGAGGTGCA 353
         ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard J
                               NAME: Warburg, Richard
REGISTRATION NUMBER: 32
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             14 CTGATGGAGGTGGA 1
                                                                                                                                                                                                                                                            TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
US-09-064-156A-139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
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COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Microsoft word 6.0 / ASCII text output
CURRENT ADDLICATION DATA:
APPLICATION NUMBER: US/08/913,833
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/EP97/00211
FILING DATE: 15 Sep 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: EP 96870005.4
FILING DATE: 26 Jan 1996
PRIOR APPLICATION NUMBER: EP 96870081.5
FILING DATE: 25 Jun 1996
ATTORNEY/AGENT INFORMATION:
NAME: KAMMERER, PATRICIA A.
REGISTRATION NUMBER: 29.775
REGISTRATION NUMBER: 29.775
REFERENCE/DOCKET NUMBER: 21.008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   GENERAL INFORMATION:
APPLICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: INHIBITING HEPATITIS C TITLE OF INVENTION: VIRUS REPLICATION NUMBER OF SEQUENCES: 498
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon STREET: 633 West Pith Street STREET: 8uite 4700
CITY: Los Angeles STREET: California CONTRY: U.S.A.
ZIP: 90071-2066
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYGTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICATION NUMBER: US/09/064,156A FILING DATE: April 21, 1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/774,306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-09-064-156A-139/c
; Sequence 139, Application US/09064156A
; Patent No. 6132966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECTLE TYPE: DNA (genomic)
HYPOTHETICAL: NO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  286 CCATCCCTGGGGAA 299
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SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
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  Length 15;
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; Patent No. 6194150
; Patent INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
Query Match

0.8%; Score 12.4; DB 1;
Best Local Similarity 92.9%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: PasteSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
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TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IS SUCKED OF COMPUTER OF COMPUTER OF COMPUTER: IS SUCKED OF COMPUTER OF COMPUTER OF COMPUTER OF COMPUTER: IS SUCKED OF COMPUTER OF COMPUT
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STREET: 633 West Fifth Street
STREET: 631 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIF: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.4*
                                                                                                                                                                                                           ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         77 GAGATGGAAACACT 90
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Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                    CITY: Los Angeles
STATE: California
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US-09-038-073-1801
       APPLICANT:
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Query Match
0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 57.1%; Pred. No. 1.2e+02;
Matches 8; Conservative 5; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                            Sequence 1399, Application US/09038073
Patent No. 6194150
FABERALINFORMATION
FAPILICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, METHOD AND REAGENT FOR THE
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: METHOD AND REVERSAL OF IMMUNE RESPONSES
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: 631 West Fifth Street
STREET: 631 West Fifth Street
STREET: Galifernia
COUNTRY: Los Angeles
STREET: Anite 4700
COUNTRY: Los Angeles
STREET: Jarvis Compatible
COUNTRY: Los Angeles
STREET: METON AND AN:
APPLICATION DATA:
APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
FILING DATE:
APPLICATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
RELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
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; Sequence 1801, Application US/09038073
; Patent No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1038 AGGCATCTTCATGC 1051
                                                                                                                                          880 TGGAATTATGTGGC 893
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Sequence 60, Application US/09580794C

Sequence 60, Application US/09580794C

Patent No. 6331389

GENERAL INPORMATION:
APPLICANT: Louwagie, Joost

APPLICANT: Louwagie, Joost

TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE

TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE

TITLE OF INVENTION: TRANSCRIPTASE GENE

FILE REFERENCE: INSOODS-2

CURRENT FILING DATE: 1997-09-15

PRIOR FILING DATE: 1997-09-15

PRIOR FILING DATE: 1997-00-17

PRIOR FILING DATE: 1996-01-26

NUMBER OF SEQ ID NOS: 164

SOSTWARE: PATENTIN OFFER OFFE
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Sequence 513, Application US/09081646

Sequence 513. Application US/09081646

Sequence 513. Application US/09081646

Sequence 513. Application:

APPLICANT: Kinzler, Kenneth
APPLICANT: Zhang, Lin
APPLICANT: Zhang, Lin
APPLICANT: Zhou, Wei
TITLE OF INVENTION: Genee Expression Profiles in No. 6333152mal and
TITLE OF INVENTION: Cancer Cells
FILE REFERENCE: 01107.74664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1.2e+02; tive 0; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                      Score 12.4; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 1;
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CURRENT FILING DATE: 1998-05-20
BARLIER APPLICATION NUMBER: 60/047,352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Synthetic Primer US-09-580-794C-60
                                                                                                                                                                                                                                                                                      Query Match

Best Local Similarity 92.9%;
Matches 13; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                286 CCATCCCTGGGGAA 299
                                                                                                                                                                                                                                                                                                                                                                                                                   73 TGTGGAGATGGAAA 86
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     14 TGAGGAGATGGAAA 1
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                                                                  SEQUENCE CHARACTERISTICS
                                                                                            15 base pairs
                                                                                                                          TYPE: nucleic acid
STRANDENESS: single
TYPOLOGY:
US-09-038-073-1803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity
Matches 13; Conserv
   TELEX: 67-3510
INFORMATION FOR SEQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-580-794C-60/c
                                                                                                      LENGTH:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 60
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; Batent No. 6194150
; GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: MCSA19gen, James
ITILE OF INVENTION: METHOD AND REAGENT FOR THE
ITILE OF INVENTION: MCTON OF GRAFT TOLERANCE
ITILE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES;
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 12.4; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 1;
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MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FABLESEQ Version 1.5
CURRENT APPLICATION DATA:
                                                                                                                                                 FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATORNEY/AGENT INFORMATION:
NAME: Wazburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
TELEPAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 1802:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FSELSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICATION NUMBER: US/09/038,073 FILING DATE:
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APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELEPHONE: (213) 489-1600
TELEPHONE: (213) 955-0440
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STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%;
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Best Local Similarity 92.9<sup>3</sup>
Matches 13, Conservative
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STATE: California
COUNTRY: U.S.A.
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TOPOLOGY: lir
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GENERAL INFORMATION:
APPLICANT: Stuyver, Lieven
APPLICANT: Louwagie, Joost
APPLICANT: Louwagie, Joost
APPLICANT: Louwagie, Joost
APPLICANT: Rossau, Rudi
TITLE OF INVENTION: METHOD FOR DETECTION OF DRUG-INDUCED MUTATIONS IN THE REVERSE
TITLE OF INVENTION: TRANSCRIPTASE GENE
FILE REFERENCE: 11362.0008.DUUSO2 (INNSO08--3)
CURRENT APPLICATION NUMBER: US/09/943, 983C
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Pred. No. 1.2e+02;
3; Mismatches 1; Indels
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0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 92.9%; Pred. No. 1.2e+02;
Matches 13; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PRIOR APPLICATION NUMBER: US 09/580,794
PRIOR PILING DATE: 2000-05-30
PRIOR PILING DATE: 2000-05-30
PRIOR PILING DATE: 1000-01-13,833 now US/6,087,093
PRIOR PILING DATE: 1997-09-15
PRIOR APPLICATION NUMBER: PS 97/00211
PRIOR APPLICATION NUMBER: EP 96870005.4
PRIOR PILING DATE: 1996-01-26
PRIOR FILING DATE: 1996-01-26
PRIOR PILING DATE: 1996-01-26
                                 CURRENT APPLICATION NUMBER: US/09/476,387
CURRENT FILING DATE: 2001-04-04
PRIOR APPLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-29
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1998-04-29
PRIOR APPLICATION NUMBER: 60/083,727
PRIOR FILING DATE: 1998-04-29
PRIOR PILING DATE: 1997-11-05
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PatentIn version 3.0
SEQ ID NO 89
LENGTH: 15
                  FILE REFERENCE: MBHB00-831-C (249/073)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-943-983C-60/c
; Sequence 60, Application US/09943983C
; Patent No. 6713251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) OTHER INFORMATION: Synthetic Primer US-09-943-983C-60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.8%;
71.4%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       286 CCATCCCTGGGGAA 299
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Best Local Similarity 71.45
Matches 10; Conservative
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US-09-476-387-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
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APPLICANT: Beaudry, Anber
APPLICANT: Karpeisky, Alex
APPLICANT: Karpeisky, Alex
APPLICANT: Adamic. Jasenka
APPLICANT: Sweedler, David
APPLICANT: Sweedler, David
APPLICANT: Zinnen, Shawn
TITLE OF INTENTION NUMBER: U$47/276)
FILE REFERENCE: MBHB00-831-8 (247/276)
CURRENT APPLICATION NUMBER: U$60/064,866
PRIOR APPLICATION NUMBER: U$60/064,866
PRIOR APPLICATION NUMBER: U$60/064,727
PRIOR PPLING DATE: 1999-12-9
PRIOR PLING DATE: 1998-11-04
PRIOR PLING DATE: 1998-11-04
PRIOR PLING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: U$ 09/301,511
PRIOR PLING DATE: 1998-04-28
NUMBER OF SEQ ID NOS: 1526
SOFTWARE: PATENTIN VERSION 3.0
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APPLICANT: Zinnen, Shawn
TITLE OF INVENTION: Nucleotide Triphosphate and their Incorporation into Oligonucleou
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0.8%; Score 12.4; DB 1; Length 15;
Best Local Similarity 71.4%; Pred. No. 1.2e+02;
Matches 10; Conservative 3; Mismatches 1; Indels
EARLIER FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 871
SOFTWARE: PastSEQ for Windows Version 3.0
SEQ ID NO 513
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Beigelman, Leo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 89, Application US/09474432B
Patent No. 6528640
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-09-476-387-89
; Sequence 89, Application US/09476387
; Patent No. 6617438
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                               647 TCCACGTGGCCGTG 660
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                                                                                                                                              TYPE: DNA
CORGANISM: Homo sapiens
US-09-081-646-513
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ORGANISM: Homo sapiens
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APPLICANT: Dennis, Patric
APPLICANT: Dennis, Regina
TITLE OF INVENTION: Screening Methods for Compounds that Inhibit
TITLE OF INVENTION: Or Stimulate Helicase Enzyme Activity
FILE REFREENCE: D6229
CURRENT APPLICATION NUMBER: US/09/539,191
CURRENT FILING DATE: 2000-03-30
EARLIER APPLICATION NUMBER: US 60/126,873
EARLIER FILING DATE: 1999-03-30
NUMBER OF SEQ ID NOS: 6
SEQ ID NO 5
LENGTH: 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                LOCATION: 15
COTHER INFORMATION: 3'-bio-16-mer oligonucleotide sequence used for OTHER INFORMATION: streptavidin displacement experiments;
COTHER INFORMATION: n = unknown at nucleotide 15 is biotinylated US-09-539-191-5
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, SOFTWARE: Patentin Release #1.0, Version #1.30
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86.7%; Pred. No. 1.4e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.4; DB 1;
Pred. No. 1.4e+02;
0; Mismatches 1;
                                       APPLICATION NUMBER: US/08/248,357C
FILING DATE: 24-MAY-1994
CLASSIFICATION: 435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; Sequence 5660, Application US/09371772B
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; Sequence 5, Application US/09539191
; Patent No. 6309839
; GENERAL INFORMATION:
                                                                                                                                                                                                                              INFORMATION FOR SEQ ID NO: 11: SEQUENCE CHARACTERISTICS: LENGTH: 16 base pairs TYPE: nucleic acid STRANDEDNESS: single
                                                                                                      ATTORNEY/AGENT INFORMATION:
NAME: White, John P.
REGISTRATION NUMBER: 28,678
                                                                                                                                                                 REPERENCE/DOCKET NUMBER: 440
TELECOMMUNICATION INFORMATION:
TELEPHONE: 212-278-0400
TELEFAX: 212-391-0525
                                                                                                                                                                                                                                                                                                                                                                                MOLECULE TYPE: DNA (genomic) HYPOTHETICAL: N
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 92.9<sup>1</sup>
Matches 13; Conservative
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Best Local Similarity 86.7
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                               linear
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US-09-371-772B-5660
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US-08-248-357C-11/C
; Sequence 11, Application US/08248357C
; Patent No. 5773225
; GENERAL INFORMATION:
; APPLICANT: Luban, Jeremy
; APPLICANT: Luban, Jeremy
; TITLE OF INVENTION: Screening Method for the Identification of
; TITLE OF INVENTION: Formation
; NUMBER OF SEQUENCES: 12
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Cooper & Dunham LLP
                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 254
5463025-7/c
; Patent No. 5463025
; APPLICANT: Sumi, Yoshihiko; Ichikawa, Yataro; Aoki, Nobuo
; Muramatsu, Masami
; TILE OF INVENTION: PROTEIN HAVING HUMAN PLASMIN INHIBITING
                 APPLICANT: HADWIGER, LEE A.; CHIANG, CHIN C.; HOROVITZ,
DANIEL A.
TITLE OF INVENTION: PROCEDURES AND REGULATORY DNA SEQUENCES;
FOR GENETICALLY ENGINERRING DISEASE RESISTANCE AND OTHER
NUMBER OF SEQUENCES: 9
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/07/393,301
FILING DATE: 13-JUN-1989
                                                                                                                                                                                                                                                                                                0.8%; Score 12.4; DB 1; Length 15; 92.9%; Pred. No. 1.2e+02; trive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 12.4; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION DATA:
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/185,162
FILING DATE: 24-JAN-1994
PRIOR APPLICATION UNBER: 60,691
FILING DATE: 13-MAY-1993
APPLICATION NUMBER: 419,913
FILING DATE: 05-SEP-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1185 Avenue of the Americas
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MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.8%;
                                                                                                                                                                                                                                                                                                                                                                                  1368 TGGAGGAATGTTGA 1381
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                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 92.99
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            15 rccacaaarcrrca 2
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Best Local Similarity 92.9
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   CITY: New York
STATE: New York
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              U.S.A.
    5312912
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                                                                                                                                                                                                                                     LENGTH: 15
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                                                                                                                                                                                                             SEQ ID NO:5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                SEQ ID NO:7
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
TITLE OF INVENTION: Nucleic Acid Catalysts with Endonuclease Activity
FILE REFERENCE: MBHB00-884-C
CURRENT APPLICATION NUMBER: US 09/479,005A
CURRENT FILING DATE: 2000-01-07
PRIOR APPLICATION NUMBER: US 09/444,209
PRIOR FILING DATE: 1999-11-19
PRIOR PLING DATE: 1999-11-19
PRIOR FILING DATE: 1998-09-22
PRIOR PLING DATE: 1998-09-22
NUMBER OF SEQ ID NOS: 1208
SOFTWARE: PatentIn version 3.0
SEQ ID NO 54
LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.8%; Score 12.4; DB 1; Length 16; 92.9%; Pred. No. 1.4e+02; tive 0; Mismatches 1; Indels
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Patent No. 5599704
GENERAL INFORMATION:
TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: METHOD AND REAGENT FOR TITLE OF INVENTION: TREATMENT OF BREAST CANCER CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 611 West Sixth Street
CITY: Los Angeles
STREET: California
COUNTRY: USA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER LOSA
ZIF: USA
ZIF: USA
ZIF: USA
ZIF: USA
ZIF: USA
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5. Diskette, 1.44 Mb storage
COMPUTER: USA
COMPUTER: USA
SOFTWARE: Wordberfect (Version 5.0)
SOFTWARE: Wordberfect (Version 5.1)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/435,350
FILING DATE: 05-MAY-1995
CLASSIFICATION DATA:
APPLICATION NUMBER: 07/936,531
FILING DATE: August 26, 1992
ATTORNEY/AGENT INFORMATION:
NAME: WARDLEY, RICHARD J.
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 197/245
FIRECOMMUNICATION INFORMATION:
TRELECOMMUNICATION INFORMATION:
TRELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (213) 489-1600
(213) 955-0440
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Best Local Similarity 92.99
Matches 13; Conservative
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INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-479-005A-54
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Sequence 6965, Application US/09371772B

Sequence 6965, Application:

APPLICANT: Ravco. Pam

APPLICANT: Ravco. Pam

APPLICANT: Bacco. Pam

APPLICANT: Bacco. Pam

APPLICANT: Bacco. Pam

APPLICANT: McSwiggen, Jim

AP
                                                                                             APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Bascobed, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT PAPLICATION NUMBER: US /09/371,772B
CURRENT FILING DATE: 1995-10-26
PRIOR APPLICATION NUMBER: US 08/584,040
PRIOR PILING DATE: 1996-01-08
NUMBER OF SEQ ID NOS: 14225
SOFTWARE: PatentIn version 3.0
SEQ ID NO 5660
LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 12.4; DB 1; Length 16;
Pred. No. 1.4e+02;
2; Mismatches 1; Indels
                                 APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 259
18-09-479-005A-54/c
Sequence 54, Application US/09479005A
; Patent No. 6656731
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3 UGCUGUGCGCGCUG 16
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Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
   GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-371-772B-5660
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Score 12; DB 1; Length 15;
Pred. No. 1.4e+02;
4; Mismatches 0; Indels
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Patent No. 5876991

GENERAL INFORMATION:
APPLICANT DeHOEF, Bradley S.
APPLICANT Kuherose, Stuart A.
APPLICANT Sosteck, Paul R., Jr.
APPLICANT Sutron, Kimberly L.
TITLE OF INVENTION: POLYKETIDE SYNTHASE GENES
NUMBER OF SEQUENCES:
CORRESPONDENCE ADDRESS:
                                                                                           ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: 801te 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIP: 90071-2066 COUNTRY READABLE FORM: MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM Compatible
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/774,306A
FILING DATE: December 26, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/882,888
FILING DATE: May 14, 1992
ATTORNEY/AGENT INFORMATION:
NAMME: WARDBURG, RICHARD J.
REGISTRATION NUMBER: 32,32,27
TITLE OF INVENTION: VIRUS REPLICATION NUMBER OF SEQUENCES: 497
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REFERENCE/DOCKET NUMBER: 223/227
REFECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 66:
SEQUENCE CHARACTERISTICS:
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STREET: LILLY CORPORATE CENTER
CITY: INDIANAPOLIS
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Best Local Similarity 66.7
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SOFTWARE: ASCI(DOS) TE CURRENT APPLICATION DATA:
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MEDIUM TYPE: Floppy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STRANDEDNESS: gir
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                                       Length 15;
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                                                                                                 0; Indels
                                   Score 12; DB 1;
Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                            US-08-182-968A-66
| Sequence 66, Application US/08182968A
| Patent No. 561005A
| Patent No. 561005A
| Patent No. 761005A
| TITLE OF INVENTION: INHIBITING HEPATITIS C
| TITLE OF SEQUENCES: 497
| CORRESPONDENCE ADDRESS:
| ADDRESSE: Lyon & Lyon
| STREET: 633 Weef Fifth Street
| STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Kenneth G.
METHOD AND REAGENT FOR
INHIBITING HEPATITIS C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 410.2 Mb
MEDIUM TYPE: 410.3 Mb
MEDIUM 
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| Sequence 66, Application US/08774306A
| Sequence 65, Application US/08774306A
| GENERAL INFORMATION: APPLICANT: Draper, Kenneth G. APPLICANT: ITLLE OF INVENTION: INHIBITING HEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          REFERENCE/DOCKET NUMBER: 2
TELECOMMUNICATION INFORMATION
TELEPHONE: (213) 489-1600
                                   Query Match
Best Local Similarity 75.0%;
Matches 9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (213) 955-0440
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Best Local Similarity 66.73
Matches 8; Conservative
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                                                                                                                                                                                                2 UGGUGACCUGGG 13
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INFORMATION FOR SEQ ID NO: SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           4 GCCUCCCGUUGU 15
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linear
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STATE: California
COUNTRY: U.S.A.
ZIP: 90071-2066
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                                                                                                                                                                                                                                                                                                                        RESULT 261
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Length 15;

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Gaps
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| Sequence 739, Application US/08585684B |
| Patent No. 5877021 |
| GENERAL INFORMATION: | APPLICANT: Stinchcomb, Daniel T. |
| APPLICANT: McSwiggen, James |
| TITLE OF INVENTION: METHOD AND REAGENT FOR THE |
| TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE |
| TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES |
| CORRESPONDENCE ADDRESS: | CORRESPONDENCE ADDRESS: |
| CORRESPONDENCE ADDRESS: | CORRESPONDENCE ADDRESS | CORRESPONDENCE ADDRESS: | CORRESPONDENCE ADDRESS: | CORRESPONDENCE ADDRESS | CORRESPONDE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8%; Score 12; DB 1; Length 15; Best Local Similarity 75.0%; Pred. No. 1.4e+02; Matches 9; Conservative 3; Mismatches 0; Indels
                                                                 Length 15;
                                                             Query Match 0.8%; Score 12; DB 1; 18est Local Similarity 75.0%; Pred. No. 1.4e+02; Matches 9; Conservative 3; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb MEDIUM TYPE: storage COMPUTER READBLE FORM:
COMPUTER: 1BM Compatible COMPUTER: 1BM COMPATIBLE: DESCRIPTION OF SOFTWARE: FASTSEQ VERSION 1.5 CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B FILING DATE: January 16, 1996 PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B FILING DATE: January 16, 1996 PRIOR APPLICATION NUMBER: 20/000,951 FILING DATE: JULY 7, 1995 ATTORNEY/AGENT INFORMATION:
NAME: Warburg/ Richard
REGISTRATION NUMBER: 218/078 REFERENCE/DOCKET NUMBER: 218/078 TELEFRAX: (213) 489-1600
TELEFAX: (213) 95-0440
TELEFAX: 67-5510
TELEFAX: 67-5510
TELEFAX: 67-5510
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 266
US-08-585-684B-1771/c
'Sequence 1771, Application US/08585684B
; Petent No. 5877021
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADDRESSEE: Lyon & Lyon STREET: 633 West Fifth Street STREET: Suite 4700 CITY: Los Angeles STATE: California COUNTRY: U.S.A. ZIP: 90071
                                                                                                                                                                                                            938 TCATCCTGGGCC 949
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   938 TCATCCTGGGCC 949
                                                                                                                                                                                                                                                TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TOPOLOGY: linear
US-08-585-684B-739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                        US-08-585-684B-739
US-08-585-684B-738
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Patent No. 5877021

GENERAL INFORMATION:

APPLICANT: Stinchcomb, Daniel T.

APPLICANT: Stinchcomb, Daniel T.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: INDICTION OF GRAFT TOLERANCE

TITLE OF INVENTION: AND REVERSAL OF INMUNE RESPONSES

NUMBER OF SEQUENCES: 2751

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: Saile 4700

STREET: Saile 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 0.8%; Score 12; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 1.4e+02; Matches 12; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.4e+02;
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COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: STORAGE
COMPUTER: IBM COMPACIBLE
COMPUTER: IBM COMPACIBLE
COMPUTER: TAN COMPACIBLE
COMPUTER: FASTSEQ VERSION 1.5

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B

FILING DATE: JANUAY 16, 1996

PRIOR APPLICATION NUMBER: 60/000,951

ATTORNEY AGENT INFORMATION:
NAME: WARDING, RICHARD
REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 218/078

TELECOMMUNICATION INFORMATION:
   APPLICATION NUMBER: US/08/804,227C
                                FILING DATE: February 21, 1997
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Plant, Thomas, G.
REGISTRATION NUMBER: 35,784
REFERENCE/DOCKET NUMBER: X-8231
TELEPHONE: 317-276-2459
INFORMATION FOR SEQ ID NO: 15:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           INTERPRETATION:
JUSTEEPA: (213) 489-1600
JELEFAX: (213) 955-0440
JELERX: 67-3510
JINFORMATION FOR SEQ ID NO: 738:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               672 CCCGCCGCCTC 683
                                                                                                                                                                                                                                                                                                                                                                                              LENGTH: 15 base pairs
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STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-585-684B-738
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Length 15;
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100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0;
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Patent No. 6132966
GENERAL INFORMATION:
ADTICANT: Draper, Kenneth G.
TITLE OF INVENTION: METHOD AND REAGENT FOR
TITLE OF INVENTION: URBITITE HEPATITIS C
MURBER OF SEQUENCES: 498
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
MEDIUM TYPE: 3.5" DIBACCUC,
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/585,684B
FILING DATE: January 16, 1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/000,951
FILING DATE: JULY 7, 1995
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 31,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELECOMMUNI
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      CITY: Los Angeles
COUNTY: Los Angeles
COUNTY: US.A.
ZIP: 90071-2066
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: WORD Perfect 5.1
CURRENT APPLICATION DATA:
FILING DATE: WOORD SOFTWARE: WS/09/064,156A
FILING DATE: December 26, 1996
APPLICATION NUMBER: 08/712,968
FILING DATE: Danuary 13, 1994
APPLICATION NUMBER: 08/182,968
FILING DATE: January 13, 1994
APPLICATION NUMBER: 07/082,968
FILING DATE: MAY 14, 1992
ATTONNEY AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NAME: Warburg, Richard REGISTRATION NUMBER: 31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           741 GAGAGAGGCTGT 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.8
Best Local Similarity 100.
Matches 12; Conservative
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US-08-585-6848-1772/c
Sequence 1772, Application US/085856848
Sequence 1772, Application US/085856848
Sequence 1772, Application US/085856848
Sequence 1772, Application US/085856848
Sequence 1772, Sequence 178, The Performation of Applicant Setinghood James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: METHOD AND RESERVES
SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon
STREET: 631 Meet Fith Street
CITY: LOB Aprol
             APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ANDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 613 West Fifth Street
STREET: 613 West Fifth Street
STREET: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Length 15;
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Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                y Match 0.8%; Score 12; DB Local Similarity 100.0%; Pred. No. 1.4 hes 12; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTY: U.S.A.

ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 18 COMPUTER:
COMPUTER: 1BM COMPATIBLE
COMPUTER: 1BM COMPATIBLE
COMPUTER: 1BM COMPATIBLE
COMPUTER: 184 P.C. DOS 5.0
SOFTWARE: FASTERN: 184 P.C. DOS 5.0
SOFTWARE: ASSTERN: 185/08/585,684B
FILING DATE: January 16, 1996
FILING DATE: January 16, 1996
FILING DATE: July 7, 1995
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   32,327
RRR: 218/078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       REGISTRATION NUMBER: 32,327
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/07
FELECOMMUNICATION INFORMATION:
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0171:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
1 TOPOLOGY: linear
US-08-585-6848-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   741 GAGAGACGCTGT 752
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STATE: California
COUNTR: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
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Matches
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                                                                                                                                                                                                                                       APPLICANT: Stindcomb, Daniel T.
APPLICANT: Stindcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
ADDRESSEE: Lyon & Lyon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-09-038-073-1771/c

Sequence 1771, Application US/09038073

Patent No. 6194150

GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: McSwiggen, James
APPLICANT: INFORMATION: MCTHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               COMPUTER READBLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: PastSEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
FILING APPLICATION DATA:
PRIOR APPLICATION NUMBER: 08/585,684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICATE:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECHONNICATION INFORMATION:
TELECHONE: (213) 489-1600
TELERAX: (213) 955-0440
TELERAX: 67-3510
INFORMATION FOR SEQ ID NO: 739:
SEQUENCE CHARACTERISTICS:
LENGTH: 15 base pairs
INTORMATION FOR SEQ ID NO: 739:
                                                                                                                                                                                                                                                                                                                                                                              CITY: Los Angeles STATE: California COUNTRY: U.S.A.
                                                                                                                                                                         Sequence 739, Application US/09038073; Patent No. 6194150; GENERAL INFORMATION:
                      938 TCATCCTGGGCC 949
:||:||:|||
4 UCAUCCUGGGCC 15
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Best Local Similarity 75.0
Matches 9; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: nucleic acid
STRANDEDNESS: sing
TOPOLOGY: linear
                                                                                                                                                       US-09-038-073-739
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                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                 0;
                                                                                                                                                                                                                                                                                  0.8%; Score 12; DB 1; Length 15; 66.7%; Pred. No. 1.4e+02; tive 4; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 GENERAL INFORMATION:
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Stinchcomb, Daniel T.
APPLICANT: Jarvis, Thale
APPLICANT: Jarvis, Thale
TITLE OF INVENTION: METHOD AND REAGENT FOR THE
TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 631 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.8%; Score 12; DB 1; Length 15; 75.0%; Pred. No. 1.4e+02; tive 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           PILING DATE:
PRICK APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECHOME: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FSSEEQ Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
REFERENCE/DOCKET NUMBER: 234/083
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEPAX: (213) 955-0440
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-09-038-073-738
; Sequence 738, Application US/09038073
; Patent No. 6194150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 738:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 66.7;
Matches 8; Conservative
                                                                                                                                                                                                                                                                                                                                                                            679 GCCTCCCGTTGT 690
                                                                                   TELEX: 67-3510
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 15
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Best Local Similarity 75.0
Matches 9; Conservative
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                         TYPE: nucleic acid
STRANDEDNESS: single
TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
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gibbs026-3.rni

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Compositions and Methods for Determining the Activity
                         US/09/038,073
                                       FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/585,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: WAIDING, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION INFORMATION:
TELEPAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0440
TELEFAX: (213) 955-0410
                                                                                                                                                                                                        218/078
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 273
US-09-593-323-6
Sequence 6, Application US/09593323
Patent No. 6265213
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 6, Application US/095941.08 Patent No. 6284468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.8%; Scc
Best Local Similarity 100.0%; Pi
Matches 12; Conservative 0;
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APPLICANT: Morgan, Antony R.
APPLICANT: Severini, Alberto
TITLE OF INVENTION: Composit:
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                                                                                                                                                                                                                                                                                                                                                                LENGTH: 15 base pairs
                                                                                                                                                                                                                                                                                                                                                                                       TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     12 GAGAGAGCTGT 1
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Matches 12; Conserval
                                                                                                                                                                                                                                                                                                                                                                                                                                   TOPOLOGY: linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-09-038-073-1772
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US-09-594-108-6
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; Sequence No. 6194150
; GENERAL INFORMATION:
; APPLICANT: Stinchcomb, Daniel T.
APPLICANT: McSwiggen, James
; TITLE OF INVENTION: METHOD AND REAGENT FOR THE
; TITLE OF INVENTION: INDUCTION OF GRAFT TOLERANCE
; TITLE OF INVENTION: AND REVERSAL OF IMMUNE RESPONSES
; NUMBER OF SEQUENCES: 2751
; CORRESPONDENCE ADDRESS:
  INVENTION: AND REVERSAL OF IMMUNE RESPONSES F SEQUENCES: 2751
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.4e+02;
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100.0%; Pred. No. 1.4e+0
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                                                                                                                                                                                                                                                                                     COMPUTER: IBM COMPAGIBLE
COMPUTER: IBM COMPAGIBLE
SOFTWARE: FASTEN: IBM P.C. DOS 5.0
SOFTWARE: FASTEN: IBM P.C. DOS 5.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/038,073
FILING DATE:
RAPLICATION NUMBER: 08/58,684
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Warburg, Richard
REGISTRATION NUMBER: 32,327
REFERENCE/DOCKET NUMBER: 218/078
TELECOMMUNICATION:
                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: Storage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IEM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FRRESEQ Version 1.5
TITLE OF INVENTION: AND REVERSAL NUMBER OF SEQUENCES: 2751
CORRESPONDENCE ADDRESS:
ADDRESSE: Lyon & Lyon STREET: 613 West Fifth Street STREET: Suite 4700
CITY: Los Angeles
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TELEPAX: (213) 489-1600
; TELEPAX: (213) 959-1600
; TELEX: (7-3510
; INFORMATION FOR SEQ ID NO: 1771:
SEQUENCE CHARACTERISTICS:
TENGTH: 15 DARGETTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      741 GAGAGAGGCTGT 752
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TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                  CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Los Angeles
California
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APPLICANT: Morgan, Antony R.
APPLICANT: Severini, Alberto
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: Transcription
FILE REPRENCE: DNAB-02921
CURRENT APPLICATION NUMBER: U5/09/593,323
CURRENT APPLICATION NUMBER: 09/344,300
PRIOR APPLICATION NUMBER: 09/344,300
PRIOR PILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 72
SOFTWARE: PatentIn Ver. 2.0
                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-593-323-6
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     Length 15;
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ore 12; DB 1; Le
red. No. 1.4e+02;
Mismatches 0;
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US-09-081-646-397
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US-09-593-323-7
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LENGTH: 16
                                                                                                                                 TYPE: DNA
                                                                                                                                                                                                                               Query Match
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Sequence 6, Application US/09344300B

Patent No. 6297013

GENERAL INPORMATION:
FAPPLICANT: Morgan, Antony R.
APPLICANT: Severini, Alberto
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: Transcription
TITLE OF INVENTION: Transcription
FILE REFERENCE: DNAB-02921
CURRENT APPLICATION UNMBER: US/09/344,300B
CURRENT FILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 72
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 6
LENGTH: 15
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Sequence 397, Application US/09081646

Patent No. 6333152

GENERAL INFORMATION:

APPLICANT: Kinzler, Kenneth

APPLICANT: Chang, Lin

APPLICANT: Zhang, Lin

TITLE OF INVENTION: Gene Expression Profiles in No. 6333152mal and

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Cancer Cells

TITLE OF INVENTION: Cancer Cells

CURRENT APPLICATION UNMERR: US/09/081,646

CURRENT FILING DATE: 1998-05-20

EARLIER APPLICATION NUMBER: 60/047,352
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                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: Synthetic US-09-594-108-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-344-300-6
TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of TITLE OF INVENTION: Transcription
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                                            FILE REFERENCE: DNAB-02921
CURRENT APPLICATION NUMBER: US/09/594,108
CURRENT FILING DATE: 2000-06-13
FRIOR APPLICATION NUMBER: 09/344,300
FRIOR FILING DATE: 1999-06-24
NUMBER OF SEQ ID NOS: 72
SOFTWARE: Patentin Ver. 2.0
LENGTH: 15
                                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-09-344-300-6
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Best Local Si
Matches 12,
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APPLICANT: Severini, Alberto
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of
TITLE OF INVENTION: Transcription
FILE REPRENSE: DNAB-02921
CURRENT APPLICATION NUMBER: 09/09/593,323
CURRENT FILING DATE: 2000-06-13
PRIOR APPLICATION NUMBER: 09/344,300
PRIOR PILING DATE: 1999-06-24
SUTHER OF SEQ ID NOS: 72
SOFTWARE: PAtentin Ver. 2.0
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Barent No. 6284468

GENERAL INFORMATION:
APPLICANT: Morgan, Antony R.
APPLICANT: Severini, Alberto
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: of DNA-Binding Proteins and of Initiation of
TITLE OF INVENTION: of DNA-Binding Proteins of FILE REFERENCE: DNAB-02921
CURRENT PELLING DATE: 2000-06-13
PRIOR APPLICATION NUMBER: US/09/594,108
PRIOR PELLING DATE: 2000-06-13
PRIOR APPLICATION NUMBER: 09/344,300
PRIOR PILLING DATE: 1999-06-24
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100.0%; Pred. No. 1.6e+02;
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EARLIER FILING DATE: 1997-05-21
NUMBER OF SEQ ID NOS: 871
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 397
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 7, Application US/09593323
Patent No. 6265213
GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 12; Conservative
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                                                                                                                                                   ORGANISM: Homo sapiens
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SOFTWARE: Patentin Ve
SEQ ID NO 7
LENGTH: 16
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Matches 12; Conserv
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RESULT 279
US-09-344-300-7
Sequence 7, Application US/09344300B
Sequence 7, Application US/09344300B
Sequence 7, Application US/09344300B
Sequence 7, Application US/09344300B
Sequence 7, Application Sequence 7, Application Sequence 7, APPLICANT: Morgan, Antony R.
APPLICANT: Severini, Alberto
TITLE OF INVENTION: Compositions and Methods for Determining the Activity
TITLE OF INVENTION: Transcription
STUBER OF SEQ ID NOS: 72
SOFTWARE: PatentIN Ver. 2.0
SEQ ID NO 7
LENGTH: 16
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                                                                                                                                                                                                              Gaps
// FEATURE:
// OTHER INFORMATION: Description of Artificial Sequence: Synthetic
US-09-594-108-7
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                                                                                                                               Query Match 0.8%; Score 12; DB 1; Length 16; Best Local Similarity 100.0%; Pred. No. 1.6e+02; Matches 12; Conservative 0; Mismatches 0; Indels
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ORGANISM: Artificial Sequence
FEATURE:
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Search completed: November 8, 2004, 12:50:47 Job time : 5 secs

1121 ACAGGATGTTCT 1132

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5 ACAGGATGTTCT 16

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Mouse acyl CoA:cho Human Ath-1 gene P Acyl CoA cholester Renal cell carcino Acyl CoA cholester Mouse acyl CoA:cho Human 3T3 cell con Bovine DGAT PCR pr Acyl CoA cholester Mouse acyl CoA cholester	Porcine CD 151 cod HBV inozyme subber HBPatitis B virus PCR primer used to Primer #2 used to Acyl CoA cholester	ACY1 COA CODEBEER Human endothelial BSODbetaMAX10 5' e BSSL/CEL Exon 11 r SOD expression vec Human HER2 (EGFR2) Human HER2 (EGFR2)	human Dialifalic ma Primer (Mkir) for Human gene single HBV hammerhead rib Hepatitis B virus Human PDGFr-target IGH tube D DH fami Rat C-Fos protein Primer 1 to amplif PCR primer for a m	Human chromosome I Human chromosome I Human niterferon-e Acyl CoA cholester Human interferon-e Acyl CoA cholester Human myosin X-der Human p2X4 gene-sp Primer of the Invehiman DX4 gene-sp Primer of the Invehiman Notchelial Human endothelial Human notchelial Human ballelic po Human DNA probe us Human DNA probe us Human CDMLP-1 17-m Human GDMLP-1 10-m Human G
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GenCore ve: Copyright (د) 1993 - ; کون OM nucleic - nucleic search, using sw mc Run on: November 8, 2004, 12:46	ct score: 1569 nce: 1 atggagccaggcggggccg. ng table: IDENTITY NUC Gapop 10.0 , Gapext 0.5	Total number of hits satisfying chosen i Minimum DB seq length: 8 Maximum DB seq length: 50 Post-processing: Minimum Match 00% Maximum Match 100% Listing first 428 summ	Database: rng3.seq:*  Pred. No. is the number of results score greater than or equal to the and is derived by analysis of the the the great than or score Match Length DB ID No. Score Match Length DB ID	1   25   1.6   25   1 AAA76178     2   24   1.5   25   1 AAA76178     3   21.2   1.4   29   1 AAV98317     4   21.8   1.4   29   1 AAV98317     5   21.2   1.3   20   1 ACC42396     5   20   1.3   20   1 ACC42413     6   20   1.3   20   1 ACC42413     6   20   1.3   20   1 ACC42427     7   20   1.3   20   1 ACC42427     8   20   1.3   20   1 ACC42427     9   20   1.3   20   1 ACC42427     10   20   1.3   20   1 ACC42427     11   20   1.3   20   1 ACC42427     12   20   1.3   20   1 ACC42427     13   20   1 ACC42427     14   20   1.3   20   1 ACC42416     15   20   1.3   20   1 ACC42416     16   20   1.3   20   1 ACC42416     17   20   1.3   20   1 ACC42416     18   20   1.3   20   1 ACC42416     19   20   1.3   20   1 ACC42416     10   20   1.3   20   1 ACC42416     11   20   1.3   20   1 ACC42416     12   20   1.3   20   1 ACC42416     13   20   1 ACC42416     14   20   1.3   20   1 ACC42416     15   20   1.3   20   1 ACC42416     16   20   1.3   20   1 ACC42416     17   20   1.3   20   1 ACC42416     18   20   1.3   20   1 ACC42416     19   20   1.3   20   1 ACC42416     10   20   1.3   20   1 ACC42416     11   20   1.3   20   1 ACC42416     12   20   1.3   20   1 ACC42416     13   20   1 ACC42416     21   22   23   24   24     22   23   24   24     23   24   24     24   25   25     25   27   27     26   27   27     27   27   27     28   29   20     29   20     30   20     31   20     31   32

Reverse primer aal Cyclin E ribozyme Cyclin E ribozyme Novel human protei Oreochromis niloti Oreochromis B virus Hepatitis B virus	Human HEK1 (EGFR)  Human HEK1 (EGFR)  Novel human procei  Human CD20 Inozyme  Human CD20 Inozyme  Human GDMLP-1 17-m  Human GDMLP-1 17-m  Human GDMLP-1 17-m  Human GDMLP-1 17-m	Human GDMLP-1 17-m Human GDMLP-1 17-m Human GDMLP-1 17-m Tumour suppression HCV DNAzyme substr HCV DNAzyme substr HCV DNAzyme substr HUMAN RDN RGG rec Forward PCR primer TRAF4 antisense ol Human DPO protein-	Human Pro Divering Human Brobotic Cell Human secreted/tra	Human secreted/tra Human GAP_N DNA 17 Human GAP_N DNA 27 Ex vivo stem-cell
		17		9 18 1 ADH60139 9 18 1 ADH60139 9 18 1 ADI6909 9 18 1 ADI65629 9 18 1 ADI65629 9 18 1 ADM5340 9 18 1 ADM0140 9 18 1 ADM0140 9 19 1 ADM00171 9 19 1 ADM00071 9 19 1 ADM00061 9 17 1 ADD20914 9 17 1 ADD20914 9 17 1 ADD20914 9 17 1 ADD20914
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	1930 14.8 0 0 1931 14.8 0 0 1931 14.4 0 0 1931 14.4 0 0 1931 14.4 0 0 1931 14.4 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 1931 14.4 0 0 0 0 0 1931 14.4 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		4     4
Chimeric phosphoro Human PPAR-alpha a K-ras LCR primer. K-ras mutaced in t Type I polyketide PCR primer used to Humanised anti-Fas Humanised danti-Fas Humanised HFE7A de Humanised HFE7A de		Human Sed ant.Fas Human chromosome 2 Mycobacterium tube Human APC primer # Human BH3 interact Humanised ant.Fas Humanised ant.Fas Humanised anteracy Humanised antery Humanised antery Wariant Cetecting Tamunostimulatory Variant detecting	Human oligonucleot Human oligonucleot Human oligonucleot Human oligonucleot ACVI CoA cholester AIO41482-derived o Human stanniocalci Human transglutami AIO51839-derived o Primer of the inve Primer of the inve Human endothelial PCR Primer JO used Human mpRES-1 chim	Human meters. I colim metersoid x recept Human acyl CoA cho when a cyl CoA cho metersoid x recept Human acyl CoA cho metersoid x recept Human acyl CoA cho metersoid x meterso
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напананан	1 AAC89142 1 AAC89319 1 AAC89319 1 ABC99589 1 ABC37964 1 ABC39004 1 ABC54317 1 ABC54317	1 ABL45367 1 ABL45367 1 ABT12924 1 AABA00084 1 AAL45981 1 ABL45985 1 AAL62118 1 AAL62118 1 ADB36621 1 ADB36621 1 ADF33079	1 ABZ85105 1 ABZ86052 1 ABZ86052 1 ABZ88990 1 ABZ88917 1 ACC47443 1 ABD25147 1 ABD21335 1 ABD21335 1 ABD2520 1 ADX95418 1 ADX95418 1 ADJ22418 1 ADJ22418	15 1 ACC42397 Human 17 1 AAC92346 Farmes 17 1 AAC92397 Human 17 1 ACD55428 HBW in 17 1 ACD55428 HBV ii 17 1 ADD20913 Human 18 1 AAC57895 FCR pp 20 1 AAD12117 Hepati 18 1 AAC57364 FCR pp 20 1 AAD36657 Human 20 1 AAD3666 Human

Murine oligopueleo	מסיים אינים אינים יינים	Interpretation	Tumour suppression	Human Na/H exchang	Human Na/H exchang	Oreochromis niloti	לפם בפי דפיה להימה ד	ביים ביים ביים ביים ביים ביים ביים ביים	THE TAXABLE COMMITTEE OF THE PARTY OF THE PA	יימוויים ייים וויים מתלקה	Human tumour Buppr	Human NOGO recepto	Human NOGO recepto	Human GRID mRNA Bu	HBV probe #3. Hep	and primer 53	mer	an RIP-1	Human RIP-1 antise	CLOCKO BONCE	ALCIONOUS TOURS	Ruman pratteric ma	numan prarrette ma	Forward PCK primer	Chloramphenicol ac	Human glaucoma-cod	Human DKDZ rragmen	HIV-1 related bind	Human genotyping P	Human RecQ protein	Human matrilin-3 P	Antisense inhibiti	Human PCR primer S	Primer of the inve	HRV Drohe #2 Hen	The property of the state of th	Vascular endocherr	4 synthesis-period	Rhizomucor pusitiu	PCK primer for num	Colony Stimulating	Murine oligonucleo	pelA target oligon	Rabbit CETP HH rib	Human CHMR1 allele	IGFBP3 oligonucleo	Murine dystrophin-	FFHPV-encoding nuc	Human cystic fibro	Human cystic fibro	Human cystic fibro	Mouse spleen RNA a	Human multidrug re	Reverse Ag6832 RT-	Human genomic CpG	Hall mini-zyme Arm	HUMAN NAN TEER FEE	Unman flt VEGE rec	Himan RGF-R taget	Integrin alpha 6 a	Human B-raf substr	, mc	Hammerhead ribozvm	Human NOGO Hammerh	CD20	CD20	CD20 An	rrinle	L-G,TMG	T T T T T T T T T T T T T T T T T T T	C-G-IMCS	ייייייייייייייייייייייייייייייייייייי	1 1 1 1 1	ric ner	d ete	herbici	
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13.8 0.	227 12 0	327 13.8 0.	13.8	329 13.8 0.	330 13.8 0.	331 13.8 0.	333 13 0		יים מיני ייינים	0.01	335 13.8 0.	13.8 0.	337 13.8 U.	338 13.8 0.	339 13.8 0.	340 13.8 0.	341 13.8 0.	342 13.8 0	343 13.8 0.	247 12.0	13.8	345 13.8 0.	346 13.8 U.	34/ L3.8 U.	13.8	13.8	350 13.8 0.	351 13.8 O.	13.8 0.	353 13.8 0.	354 13.8 0.	13.8 0.	356 13.8 0.	13.8		יים ביים	13.8	360 13.8 U.	13.8 0.	13.8	13.6	13.6	365 13.4 0.	13.4 0.	367 13.4 0.	13.4 0.	13.4 0.	13.4 0.	13.4 0.	13.4 0.	13.4 0.	13.4 0.	375 13.4 0.	13.4 0.	377 13.4 0.	13.4	13.4	13.4	190 13 4 0.	13.4	13.4	385 13.4 0.	13.4	387 13.4 0	13.4	389 13.4 0.	390 13 4 0	391 13 4 0	73.7	700		394 13.4 0.	13.4	396 I3.4 U.	397 13.4 0.	13.4 0.	
Human interleukin	With the County of the County	Mucagenic primer.	Human papilloma vi	Human papillomavir	Human papillomavir	Mouse flt-1 VEGF r	יסי קטמע מטא מפשייה	The Carry Age and	יייייייייייייייייייייייייייייייייייייי	Soranie gincosy	Probe Millo ror nu	Human Ile-Z Budstr	Human B-rai Bubstr	Human B-raf substr	Oligonucleotide SE	Hammerhead ribozym	Hammerhead ribozym	Hammerhead ribozym	Hammerhead ribozym	Himan Choo Thorama	מתייבו הספט יוייייי	Human NOGO Inozyme	Human Noco Inozyme	Human NOGO Hammern	Human GRID NCH FID	Human GRID Amberzy	Human GDMLP-1 1/-m	Human GDMLP-1 17-m	Human GDMI,D-1 17-m	Himan CDMI.D-1 17-m	The state of the s	H-/T T-ATMOS URMINE	Human GDMLP-1 I/-m	Human GDMLP-1 17-m	Human GDMLP-1 17-m	GDMLP-1	Human pp-GaNTase 1	Human ribozyme cle	Human RIP2 DNA spe	Human ERG hammerhe	Human ERG Amberzym	Human PAPP-Ea asso	Human PAPP-Ea asso	Human POSHL1 scann	Human POSHL1 scann	WNV Zinzyme substr	minus stran	WNV Hammerhead Rib	rhead	DNAzym	WNV minus strand A	Tumour suppression	Tumont suppression	Tomour aughtesaton	Theory of the state of the stat	Timour auptreasion	NEXE Sub-unit modu	NEXT Sub-unit modu	NEKB auh-unit modu	NEKB Sin-init modil	Himan MD27 scannin	Himan MD27 ocannin	Himan MD7 Commin	Briman MD77 agamin	חבוווווסס / שהיירים	d to	K-KaB	HERZ DNAZ	H-Kae	6	e olic						
4 0.9 18 1	L 7.1	1 /1 6.0 0	8 0.9 17 1	8 0.9 I.7 I	0.9 17 1	0.9 17 1		11.	77.	1 /1	1 71 6.0	1 /1 6.0	1 /T 6.0	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	1 21	0.9	0.0	0.9 I/ I ABNOSI41	0.9	1 /1 6.0	7 7 6.0	0.9	0.9	0.9	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	1 21 6 0	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1	1 /1 6.0	1 71 6.0	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9 17 1	0.9	1 /1 6.0	1 /1 6.0	0.0	4.5	1 71 6 0	0.9	6 0	1 21 000	6.00		4	1 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	1 11	1 1 1	1 71 000	0.9	0.9	0.9	8 0.9 17 1 ACC67550	0.9 17 1	
53	254 13	. CT .	55 13.	256 13.	257 13.	258 13.	250 13				13.	263	13.	265 13.	66 13.	67 13.	68 13.	13	270 13.			272	13.	. T. T.	75 13.	76 13.	277	278 13.	79 13.	280 13.	281 13.	282 13.	283 13.	284 13	285		286	287 13.	288 13.	289 13.	90 13.	291 13.	92 13.	293 13.	94 13.	295 13.	96 13.	97 13.	98 13.	99 13.	00 13.	01 13.	02 13.	303 13.	304 13.	05 13.	306		900		11	13.	313	14	315	316	117	310	310	275	13.	321 13.	22 13.	323 13.	c 324 13.6	25 13.	

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Tumour suppression
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Human MDZ7 scannin
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HCV DNAzyme substr
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Primer for hepatoc
                                                                                                                                                                                                                                                                                                                                       Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; PCR; probe; ss.
                                                                                                                                                                                                                                                                                                                                                                                                          /*tag= a
/mod_base= OTHER
/note= "Labelled with FAM, fluorescent reporter dye"
                                                                                                                                                                                                                                                                                                                                                                                                                                       /*tag= b
/mod_base= OTHER
/note= "Labelled with TAMRA, quencher dye"
                                                                                                                                                                                                                                                                                                                          Human acyl CoA cholesterol acyltransferase-2 PCR probe.
                                                                                                                                                                                                                                          ALIGNMENTS
               ADB03627
ADB03629
                                           ACC65533
ACC65533
ACC66957
ACC62782
ADB43973
                                                                                               ADC03632
ADF64077
                                                                                                                                                                                             ADN45715
AAF73008
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Graham MJ, Lemonidis KM;
        ABT35342
                                                                                 ADB40515
                                                                                         ADC03633
                                                                                                               ADF64078
                                                                                                                     ADF64079
                                                                                                                              ADI52315
                                                                                                                                    ACC51409
                                                                                                                                             ADL50726
                                                                                                                                                   ADK13282
                                                                                                                                                          ADL82074
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                                                                                                                                                                                                                                                                                                                                                                                            Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JUL-2002; 2002WO-US022746
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JUL-2001; 2001US-00918026
                                                                                                                                                                                                                                                                               ACC42398 standard; DNA; 25
                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC
       WO2003011889-A2
                                                                                                                                                                                                                                                                                                                                                                                                   modified base
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                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                            26-AUG-2003
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ACC42398;
                                                                                                                                                                                                                                                                RESULT 1
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                                                                                                                                                                           The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACC42409-ACC42411), and mouse ACAT-2 (ACC42412-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, ACAT Related Gene Product 2, ARGP2; enzyme;
acyl Coenzyme A-cholesterol acyltransferase 1; ACAT1;
sterol esterification; lipid homeostasis; diacylglycerol acyltransferase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The enzyme acyl Coenzyme A-cholesterol acyltransferase 1 (ACAT1) mediates sterol esterification, an important component of intracellular lipid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New nucleic acid encoding a human diacylglycerol acyltransferase, useful for treating hyperlipidemia, atherosclerosis, heart disease, or other diseases associated with an imbalance of triglyceride levels.
                                                  New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase.2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                          cardiovascular disease. The present sequence is a PCR probe for human ACAT-2, used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.6%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 2.5; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human ACAT Related Gene Product 2 ARGP2 PCR primer 206
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 25 BP; 4 A; 5 C; 10 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1212 CTACGTGTATCAGGATGGGCTGCGG 1236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25
                                                                                                                                             Example 13; Page 85; 112pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 CTACGTGTATCAGGATGGGCTGCGG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (UYCO ) UNIV COLUMBIA NEW YORK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       98US-00165042.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sturley SL, Oelkers P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DGAT; PCR primer; ss.
               WPI; 2003-248145/24.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-OCT-1998;
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AAA76178
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The enzyme acyl Coenzyme A-cholesterol acyltransferase 1 (ACAT1) mediates sterol esterification, an important component of intracellular lipid homeostasis. The present invention relates to human ACAT Related Gene Product 2 (ARGP2). ARGP2 is a diacylglycerol acyltransferase (DGAT). ARGP2 is a tissue specific sterol esterification enzyme. The present sequence is a PCR primer used to isolate ARGP2 coding sequence (see
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Coenzyme A-cholesterol acyltransferase 1; ACAT1;
ol esterification; lipid homeostasis; diacylglycerol acyltransferase;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid encoding a human diacylglycerol acyltransferase, useful for treating hyperlipidemia, atherosclerosis, heart disease, or other diseases associated with an imbalance of triglyceride levels.
                                                                                                                                                                        Gaps
homeostasis. The present invention relates to human ACAT Related Gene
Product 2 (ARGP2). ARGP2 is a diacylglycerol acyltransferase (DGAT).
ARGP2 is a tissue specific sterol esterification enzyme. The present
sequence is a PCR primer used to isolate ARGP2 coding sequence (see
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                                                                                                                                   1.5%; Score 24; DB 1; Length 25; 100.0%; Pred. No. 3.9; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.5%; Score 23; DB 1; Length 23; 100.0%; Pred. No. 5.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                    Human ACAT Related Gene Product 2 ARGP2 PCR primer 201
                                                                                                      Sequence 25 BP; 3 A; 8 C; 4 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; ACAT Related Gene Product 2; ARGP2; enzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 23 BP; 3 A; 9 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                           1047 CATGCTGCTGCTCATCTTTGC 1070
                                                                                                                                                                                                                              1 CATGCTGCTCCATCTTTTGC 24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure; Col 17; 32pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYCO ) UNIV COLUMBIA NEW YORK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 98US-00165042.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98US-00165042.
                                                                                                                                                                                                                                                                                                                               AAA76183 standard; DNA; 23
                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                        24; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            DGAT; PCR primer; ss.
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                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               01-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   01-OCT-1998;
                                                                                                                                                                                                                                                                                                                                                                                                     14-DEC-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JS6100077-A.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sturley SL,
                                                                       AAA76170)
                                                                                                                                                                                                                                                                                                                                                                   AAA76183;
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Bterol
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                                                                                                                                                                                                                  Polymorphism; hypertension; agammaglobulinemia; diabetes insipidus; Lesch-Nyhan syndrome; muscular dystrophy; Wiskott-Aldrich syndrome; Fabrys disease; familial hypercholesterfolemia; heredicary spherocytosis; polycystic kidney disease; von Willebrands disease; forensic; human; tuberous sclerosis; heredicary hemorthagica telangiectasia; familial colonic polyposis; osteogenesis imperfecta; porphyria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              insipidus, Lesch-Nyhan syndrome, muscular dystrophy, Wiskott-Aldrich syndrome, Fabryr disease, familial hypercholesterolemia, polycystic syndrome, Fabryr disease, familial hypercholesterolemia, polycystic kidney disease, hereditary spherocytosis, on Willebrands disease, tubercus sclerosis, hereditary hemorrhagica telangiectasia, familial colonic polyposis, Bhlers-Danios syndrome, osteogenesis imperfecta, and acute intermittent porphyria. The polymorphic forms can also be used in forensics to identify individuals
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel nucleic acids containing polymorphisms used in the diagnosis of hypertension.
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                                                                                                                                                                                   Polymorphic fragment of hypertension associated gene CYP11B2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.4%; Score 21.8; E
85.2%; Pred. No. 13;
tive 1; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GIGGCCAAGAACTITGCCCAGGCCCTG 915
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Chakravarti A, Haluska MK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AFFY-) AFFYMETRIX INC.
(UYCA-) UNIV CASE WESTERN RESERVE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 1; Page 28; 53pp; English.
                                                                 AAA04170 standard; DNA; 29 BP.
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                                                                                                                                                                                                                                                                                                                                            Ehlers-Danlos syndrome; ss
                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-107928/10
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                                                                                                          AAA04170;
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RESULT
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100.0%; Pred. No. 5.2 ive 0; Mismatches

23; Conservative

Matches

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Local Similarity

1539 GACACCTCGATCTTGGTCCTGCC 1561

GACACCTCGATCTTGGTCCTGCC 23

gibbs026-3.rng

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98US-0090354P.
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                                                                              13-FEB-2003
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                                                                                                                                                                    Crooke RM,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention describes enzymatic nucleic acid molecules (NAMs) which specifically cleave RNA derived from an epidermal growth factor receptor (EGF-N) gene. AAV9721 to AAV98043 and AAV98929 to AAV990090 represent specifically claimed target sequence from human EGF-R. AAV98044 to AAV98866 and AAV98867 to V9878 represent hammerhead ribozymes and hairpin ribozymes respectively for human EGF-R. The NAMs are useful for cleaving EGF-R RNA in the treatment of a condition associated with EGFR expression levels e.g. to inhibit cell proliferation in the prevention or treatment of cancers. The NAMs can also be used as diagnostic tools to examine genetic drift and mutations within diseased cells or to detect the presence of EGF-R RNA in a cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                          tic nucleic acids - which cleave RNA derived from an epidermal factor receptor, useful for inhibiting cell proliferation and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism;
                                                                                                Human, epidermal growth factor receptor; EGFR; EGF-R; target sequence;
hammerhead ribozyme; hairpin ribozyme; inhibition; cell proliferation;
cancer; genetic drift; detection; mutation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.4%; Score 21.2; DB 1; Length 27; 85.2%; Pred. No. 15; ive 0; Mismatches 4; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human acyl CoA cholesterol acyltransferase-2 PCR primer #1.
                                                                           Human EGF-R hammerhead ribozyme nucleotide position 2401.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 27 BP; 8 A; 3 C; 6 G; 0 T; 9 U; 1 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             302 AGAAAGTTTTCATCATCCGCAAGTCCC 328
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AGAAAGTTTTCNTCATCAGAAATTCCC 1
                                                                                                                                                                                                                                                                                                                Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                    Claim 8; Page 73; 109pp; English.
AAV98317/c
ID AAV98317 standard; RNA; 27 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACC42396 standard; DNA; 21 BP
                                                                                                                                                                                                                        98WO-US000730
                                                                                                                                                                                                                                              97US-0036476P.
                                                                                                                                                                                                                                                                              (RIBO-) RIBOZYME PHARM INC. (UYAS-) UNIV ASTON.
                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23; Conservative
                                                                                                                                                                                                                                                                                                                                                          Enzymatic nucleic acids
                                                                                                                                                                                                                                                                                                              Fell P,
                                                                                                                                                                                                                                                                                                                                   WPI; 1998-437449/37
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                treating cancers.
                                                                                                                                                         Homo sapiens.
                                                                                                                                                                             WO9833893-A2.
                                                                                                                                                                                                                                             31-JAN-1997;
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                                                                                                                                                                                                                                                        04-DEC-1997;
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                                                      17-MAR-1999
                                                                                                                                                                                                  06-AUG-1998
                                                                                                                                             Synthetic,
                                                                                                                                                                                                                                                                                                              Akhtar S,
                                 AAV98317;
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The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC4431). And mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC424205). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal liptid metabolism, a condition involving abnormal cholesterol metabolism, a therosclerosis, or cardiovascular disease. The present sequence is a PCR primer for human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase.2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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cholesterol metabolism; atherosclerosis; cardiovascular disease;
phosphorothioate; human; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; acyl CoA:cholesterol acyltransferase; ACAT-2; diagnosis;
antilipaemic; hypercholesterolaemia; hypertriglyceridaemia;
hyperlipidaemia; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACAT-2, used in an example from the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 13; Page 85; 112pp; English.
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                                                                                                                                                                                                                                                                                                                                        15-JUL-2002; 2002WO-US022746.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Graham MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2003-248145/24.
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New antisense oligonucleotides for modulating acyl CoA cholesterol
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACC42413;
                                                                                                                                                                                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                      XAXAXBXBXBXBXBXBXFTTTTTTTTXBXBXBXBXBXBXBX
                                                                                                                                                               The present sequence represents a PCR primer for the human acyl
COA:cholesterol acyltransferase designated ACAT-2. ACAT-2 polypeptides
Coan be administered therapeutically, especially by expressable encoding
polymucleotides, to treat individuals in need of ACAT-2 polypeptide. They
may especially be administered to treat disease conditions associated
with elevated cholesterol ester levels e.g. hypercholesterolaemia or
hyperlipidaemia (including hypertriglyceridaemia), since ACAT-2 catalyses
the esterification of cholesterol with fatty acyl COA substrates. The
polypeptides can also be used to diagnose diseases related to polypeptide
coppositions activity, by analysing for polypeptide presence or amount
in a sample. They are useful to screen for compounds inhibiting or
activating the polypeptide, which can be included in pharmaceutical
compositions and administered therapeutically to treat conditions
associated with ACAT-2; inhibitory agents can especially be used to
inhibit ACAT-2 activity, especially therapeutically, and especially
agents which selectively inhibit ACAT-2 and not prior art ACAT-1
                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                       Novel polypeptide, useful to treat conditions associated with elevated cholesterol ester levels e.g. hypercholesterolemia.
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                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human acyl CoA:cholesterol acyltransferase 2 sense PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                  Score 20; DB 1; Length 20;
Pred. No. 15;
                                                                                                                                                                                                                                                                                                                                                                                                                           0; Indels
                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 4 A; 8 C; 4 G; 4 T; 0 U; 0 Other;
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100.0%; Pred. No. 20.
0; Mismatches
                                                          Erickson SK;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                   1418 GGAACGTGCTGATGTGGACC 1437
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 GGAACGTGCTGATGTGGACC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             hyperlipidaemia; PCR primer; ss
                                                                                                                                            Example; Page 40; 57pp; English
                                                          Cases S, Farese RV, Novak S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cases S, Farese RV, Novak S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAZ57363 standard; DNA; 20 BP
          99US-00328857.
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Best Local Similarity 100.
Matches 20, Conservative
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                                (REGC ) UNIV CALIFORNIA
                                                                                WPI; 2000-106291/09
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          08-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          W09967368-A1
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The present sequence represents a PCR primer for the human acyl

CoA:cholesterol acyltransferase designated ACAT-2. ACAT-2 polypeptides

Coan be administered therapeutically, especially by expressable encoding

polynucleotides, to treat individuals in need:of ACAT-2 polypeptide. They

may especially be administered to treat disease conditions associated

with elevated cholesterol ester levels e.g. hyperchlesterolaemia or

hyperlipidaemia (including hypertriglyceridaemia), since ACAT-2 catalyses

the esterification of cholesterol with fatty acyl CoA substrates. The

polypeptides can also be used to diagnose diseases related to polypeptide

coppositions and administered therapeutically to treat conditions

activating the polypeptide, which can be included in pharmaceutical

compositions and administered therapeutically to treat conditions

associated with ACAT-2, inhibitory agents can especially be used to

inhibit ACAT-2 activity, especially therapeutically, and especially

agents which selectively inhibit ACAT-2 and not prior art ACAT-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.3%; Score 20; DB 1; Length 20; 100.0%; Pred. No. 15; ive 0; Mismatches 0; Indels
cholesterol ester levels e.g. hypercholesterolemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 2 A; 7 C; 3 G; 8 T; 0 U; 0 Other;
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                                                                             Example; Page 40; 57pp; English.
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Aatches 20; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Graham MJ,
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                                                                                                                  are targeted to human acyl COA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42411), and mouse ACAT-2 (ACC42432-ACC42402). The artisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC4235 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-COA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal lipid metabolism, a condition and cholesterol metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "Oligonucleotide has phosphorothioate backbone and
all cytidine nucleotides are 5-methylcytidine. Optionally
some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                         The present invention relates to novel antisense oligonucleotides which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorochioate; human; ss.
acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                               0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                161 AGCAAGCGCAGGGACAACTG 180
                                                                      Claim 3; Page 89; 112pp; English
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nes 20; Conservative
                                 cardiovascular disease.
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/*tag=
                                                                                                                                                                                                                                                                                         cardiovascular disease
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modified_base
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ACC42419/c
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                                                              are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACG42409-ACC42431), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal lipid metabolism, a therosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                               present invention relates to novel antisense oligonucleotides which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferases, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss
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                                                                                                                                                                                                                                                                                 1.3%; Score 20; DB 1; Length 20;
100.0%; Pred. No. 15;
rative 0; Mismatches 0; Indels
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                 Example 15; Page 89; 112pp; English.
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                                                                                                                                                                                                                                                                                                                                                                        CGCAGGCGACGGGCCTGGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACC42427 standard; DNA; 20
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'*tag= a
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                                                                                                                                                                                                                                                                                                                      20; Conservative
                                                                                                                                                                                                                      cardiovascular disease
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                                                                                                                                                                                                                                                                                                      Local Similarity
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The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC44409-ACC42431), and mouse ACAT-2 (ACC42437). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42385 and ACC4402). ACAT enzymes catalyse the synthesis of cholesterol esters from tree cholesterol and fatty acyl-CoA. The antisense oligonucleotides are with ACAT-2, e.g. a condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a therosclerosis, or
                                                                                                                                                                                                                                                                                       cardiovascular disease
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Sequence 20 BP; 4 A; g C; 6 G; 2 T; 0 U; 0 Other;

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                   Gaps
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0
Score 20; DB 1; Length 20;
Pred. No. 15;
                  0; Indels
                  0; Mismatches
1.3%; 2
                   Conservative
         Similarity
                20;
 Query Match
           Local
                  Matches
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ACC42411 standard; DNA; 20 (first entry) 26-AUG-2003 ACC42411; ACC42411/ 

BP

Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiatricosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss. Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140146 Location/Qualifiers 1. .20 /\*tag≃ a modified base Synthetic

/mod\_base= OTHER // Anod\_base of the phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2 -methoxyethyl (2 -MOE wings) modification

WO2003011889-A2

15-JUL-2002; 2002WO-US022746.

30-JUL-2001; 2001US-00918026

(ISIS-) ISIS PHARM INC

Lemonidis KM Graham MJ, Crooke RM,

WPI; 2003-248145/24.

diseases associated antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases ass with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.

Example 15; Page 88; 112pp; English.

The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42431), and mouse ACAT-2 (ACC42432are

The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACC42409-ACC42411), and mouse ACAT-2 (ACC424312-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from

Claim 3; Page 89; 112pp; English.

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  ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42198 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl.CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal incleases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /not== "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                                                                                                                                                                                                                                  Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                          Gape
                                                                                                                                                                                                                                                                                                                                                                                                         Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140157.
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                                                                                                                                                            Length 20
                                                                                                                                Sequence 20 BP; 2 A; 5 C; 5 G; 8 T; 0 U; 0 Other;
                                                                                                                                                         DB 1;
15;
                                                                                                                                                                                          Mismatches
                                                                                                                                                            Score 20;
Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Lemonidis KM;
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                                                                                                                                                            Score
                                                                                                                                                                                                                    81 TGGAAACACTGAGACGCACA 100
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                                                                                                                                                            1.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 phosphorothioate; human; ss
                                                                                                                                                                                                                                                                                                                      ACC42422 standard; DNA; 20
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cholesterol and fatty acyl-CoA. The antisense oligonucleotides are

. 0 useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACG42409-ACG42431), and mouse ACAT-2 (ACG42432-ACG42457). The antisense oligonelocides specifically hybridise with and inhibit the expression of ACGT-2 nucleotide sequences (ACG42395 and ACG42402). ACAT enzymes catalyse the synthesis of cholesterol esters from tree cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a /mod\_base= OTHER //note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss. The present invention relates to novel antisense oligonucleotides which acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, Gaps Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140155 New antisense oligonucleotides for modulating acyl CoA cholesterol ; 0 Match 1.3%; Score 20; DB 1; Length 20; Local Similarity 100.0%; Pred. No. 15; No. 15; Nonservative 0; Mismatches 0; Indels Sequence 20 BP; 4 A; 6 C; 3 G; 7 T; 0 U; 0 Other; Lemonidia KM location/Qualifiers 881 GGAATTATGTGGCCAAGAAC 900 Claim 3; Page 89; 112pp; English 20 GGAATTATGTGGCCAAGAAC 1 ΒÞ 15-JUL-2002; 2002WO-US022746. modification 30-JUL-2001; 2001US-00918026 ACC42420 standard; DNA; 20 (first entry) ಹ cardiovascular disease cardiovascular disease. \*tag= Crooke RM, Graham MJ, (ISIS-) ISIS PHARM INC WPI; 2003-248145/24. WO2003011889-A2. Key modified\_base 26-AUG-2003 13-FEB-2003 Synthetic. ACC42420; Query Match Best Local S Matches ACC42420/ 88888888 ò a

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condition involving abnormal cholesterol metabolism, atherosclerosis, cardiovascular disease
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Page 12

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ACC42429/c
                      RESULT 19
                                              The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC4241), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides sequences (ACC42355 and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or
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/note= "Oligonucleotide has phosphorothioate backbone and all cytidine uncleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
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are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACG42491), and mouse ACAT-2 (ACG42432-ACG42451), and mouse ACAT-2 (ACG42432-ACG42451). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACG42955 and ACG42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal lipid metabolism, a condition involving abnormal sets.
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/note= "Oligonucleotide has phosphorothioate backbone and
all cytidine nucleotides are 5-methylcytidine. Optionally
some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                 Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiatreriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) modification"
                                                            Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiatreitosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss.
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Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140160
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                                                                                                                                                                                                                        /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                  Acyl COA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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            Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140166.
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                                                                                                                                                                                     /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) modification"
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Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
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              antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease
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The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42431), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC4402). ACAT enzymes catalyse the synthesis of cholesterol seters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a cardiovascular disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                         /mod_base= OTHER //mod_base= OTHER //mode= moligonuclectide has phosphorothicate backbone all cytidine nuclectides are 5-methylcytidine. Optiona modification."
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100.0%; Pred. No. 15;
tive 0; Mismatches 0; Indels
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                          Location/Qualifiers
1. .20
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nes 20; Conservative
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                                                                                                                                                       /mod_base= OTHER //note= 0.015pnote of packbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2 -methoxyethyl (2 -MOE wings) some nucleotides with 2 -methoxyethyl (2 -MOE wings)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
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           phosphorothioate; human;
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13-FEB-2003
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                    /note= "Oligonuclectide has phosphorothicate backbone and all cytidine nuclectides are 5-methylcytidine. Optionally some nuclectides with 2'-methoxyethyl (2'-MOE wings)
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                                                                                                                                                                                                                                             New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
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           mod_base= OTHER
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Best Local Similarity
Matches 20; Conserv
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all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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100.0%; Pred. No. 15;
vative 0; Mismatches
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Location/Qualifiers
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                                                                        15-JUL-2002; 2002WO-US022746
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Matches 20; Conservative
                                                                                                                                                                                                                                                    Graham MJ,
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ACC42424/c
%GX#X#X#X#X#X#X#########
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC4241), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism; a condition involving abnormal cholesterol metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /mod_base= OTHER //note= "Oligonucleotide has phosphorothicate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
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                                                                                                                                                                                                                                                                                                                                                                                                                             acyltransferase.2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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Pred. No. 15;
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                                                                                                                                                                                                                                                                                                                                           Lemonidia KM;
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                                                                                                                                                                                 New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
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tive 0; Mismatches 0; Indels
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Lemonidia KM;
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(ISIS-) ISIS PHARM INC.
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                     Crooke RM,
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/note= "Oligonucleotide has phosphorothioate backbone and
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                                                                                           New antisense oligonucleotides for modulating acyl CoA cholesterol acyl transferase.2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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Pred. No. 15;
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100.0%; Pred. No. ...
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                                                     Lemonidis KM;
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                              (ISIS-) ISIS PHARM INC
                                                     Graham MJ,
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modified base
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                                                                                                                            New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
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0; Mismatches
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Lemonidis KM;
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                                                                                                                                                                                                                                           cardiovascular disease.
   Graham MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cardiovascular disease
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                                                                WPI; 2003-248145/24.
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The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACC42409-ACC42413), and mouse ACAT-2 (ACC42432-ACC43457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC44402). ACAT enzymes catalyse the synthesis of cholesterol seters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiateriosclerctic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; human; ss.
                                                 New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #140158
                                                                                                                                                                                                                                                                                                                                                                                                                     ch 1.3%; Score 20; DB 1; Length 20; I Similarity 100.0%; Pred. No. 15; 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 2 A; 9 C; 4 G; 5 T; 0 U; 0 Other;
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                                                                                                                                      Claim 3; Page 89; 112pp; English
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                WPI; 2003-248145/24
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Best Local
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                                                                                                                    The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC424409-ACC42431), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal ligid metabolism, a condition involving abnormal light metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    The present sequence represents a PCR primer for the mouse acyl CoA:cholesterol acyltransferase designated ACAT-2. ACAT-2 polypeptides can be administered therapeutically, especially by expressing encoding polynucleotides, to treat individuals in need of ACAT-2 polypeptide. They may especially be administered to treat disease conditions associated with elevated cholesterol ester levels e.g. hypercholesterolaemia or hyperlipidaemia (including hypertiglyceridaemia), since ACAT-2 catalyses
New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel polypeptide, useful to treat conditions associated with elevated cholesterol ester levels e.g. hypercholesterolemia.
                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mouse acyl CoA:cholesterol acyltransferase 2 antisense PCR primer.
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                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 7 A; 6 C; 7 G; 0 T; 0 U; 0 Other;
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v 100.0%; Pred. No. ...
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                                                                                       Claim 3; Page 89; 112pp; English.
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                                                    cardiovascular disease
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         polypeptides can also be used to diagnose diseases related to polypeptide expression or activity, by analysing for polypeptide presence or amount in a sample. They are useful to screen for compounds inhibiting or activating the polypeptide, which can be included in pharmaceutical compositions and administered therapeutically to treat conditions associated with ACMT-2; inhibitory agents can especially be used to inhibit ACMT-2 activity, especially therapeutically, and especially agents which selectively inhibit ACMT-2 and not prior art ACMT-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to a method for determining the presence of neoplastic molecular markers in a host, involving the use of neoplastic molecular marker specific reagents to detect such markers and analysing the array of reagents, allowing the identification of the neoplastic disease present. This can be used to determine the best treatment for cancers, in particular neural cell, lung and prostate tumours. The present sequence is a PCR primer useful for detecting the coding sequences of markers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Determining the presence of neoplastic molecular markers, by identifying the presence of markers in host test sample using array of neoplastic molecular marker specific reagents and analyzing the array of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         tumour specific marker; cytostatic; ss.
esterification of cholesterol with fatty acyl CoA substrates. The
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                                                                                                                                                                                                                 DB 1; Length 26;
                                                                                                                                                                                                                                                     4; Indels
                                                                                                                                                                               Sequence 26 BP; 2 A; 6 C; 13 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                 1.2%; Score 19.6; D
84.6%; Pred. No. 28;
iive 0; Mismatches
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                                                                                                                                                                                                                                                                                         1253 CCCGAGGGTAGCCATGCTGGGTGTG 1278
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transcription factor; PCR; primer;
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ID ABT03549 standard; DNA; 24
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                                                                                                                                                                                                                                      1 Similarity 84.6
22; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                       /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                          Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
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                                                                                                                                                                                          Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143038
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24 TCAACGCCTTGTCCGAGCTGCTAC
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                                                                                                                                                                                                                                                                                                                                                              modified base
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                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                ACC42450;
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ACC42450/c
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Query Match
Best Local Similarity 87.5%;
Matches 21; Conservative (

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Gaps ; 0 H.

ACC42444 standard; DNA; 20

ACC42444/c FESULT 38

(first entry)

26-AUG-2003

ACC42444;

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such as solid tumor by providing peripheral blood sample of human having non-blood disease, and comparing an expression profile of specific genes in the peripheral blood sample to reference expression profile of the genes where each of the genes is differentially expressed in peripheral blood mononuclear cells (BBMCs) of patients having the disease as compared to PBMCs of normal humans. The method is useful for diagnosing non-blood disease such as solid tumor. The solid tumor is chosen from peripheral blood sample comprises enriched PBMCs. The peripheral blood sample comprises enriched PBMCs. The peripheral blood sample (claimed). (M1) is useful for identifying genes that are differentially expressed in peripheral blood samples RCC and/or other solid tumors. This sequence corresponds to a probe to detect a gene that is differentially expressed and detected by the method
                                                                                                                                                    ss; diagnosis; non-blood disease; solid tumor; gene expression; peripheral blood mononuclear cell; renal cell carcinoma; prostate cancer; head/neck cancer; differential expression; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Diagnosing non-blood disease such as solid tumor, involves comparing differential expression profile of specific genes in peripheral blood sample of subject with reference expression profile of specific genes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relate to a method of diagnosing (M1) non-blood disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Stover JA;
                                                                                                                   Renal cell carcinoma differentially expressed gene probe #242
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.2%; Score 18.8; DB 1; Length 25; 90.9%; Pred. No. 36; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Dorner A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Seguence 25 BP; 4 A; 8 C; 7 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Trepicchio WL,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 573; 350pp; English
                BP
                                                                                                                                                                                                                                                                                                                                       21-NOV-2003; 2003WO-US037481.
                                                                                                                                                                                                                                                                                                                                                                      21-NOV-2002; 2002US-0427982P. 03-APR-2003; 2003US-0459782P.
                ADP13837 standard; DNA; 25
                                                                                    (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Burczynski ME,
                                                                                                                                                                                                                                                                                                                                                                                                                                        (TWIN) TWINE N C.
(BURC/) BURCZYNSKI M E.
(TREP/) TREPICCHIO W L.
(DORN/) DORNER A.
(STOV/) STOVER J A.
(SLON/) SLONI D K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-460799/43.
                                                                                                                                                                                                                                                                  WO2004048933-A2
                                                                                    26-AUG-2004
                                                                                                                                                                                                                                                                                                    10-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Twine NC,
Sloni DK;
                                                   ADP13837;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                           AMHP )
ADP13837/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sloni
                                                                                                                                                                                                                                 Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42430-ACC42431), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                     /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) modification"
                                                                                                       Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New antisense oligonuclectides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gарв
                                                                           Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143032.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 4 A; 8 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 18.4; I
Pred. No. 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lemonidis KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 16; Page 90; 112pp; English.
                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             762
                                                                                                                                                                                                                                                                          /mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             743 GAGAGGCTGTGCCTGGGATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 dadadererereceredare
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-JUL-2001; 2001US-00918026
                                                                                                                                                         phosphorothioate; mouse; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAZ57361 standard; DNA; 24
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 2.0
Best Local Similarity 95.0
Matches 19; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Graham MJ,
                                                                                                                                                                                                                                                         *tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  cardiovascular disease
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-), ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-248145/24.
                                                                                                                                                                                                                                                                                                                                                                         WO2003011889-A2
                                                                                                                                                                                                                         Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                         13-FEB-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Crooke RM,
                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Db
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ID AAZ5
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Gaps

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Best Local Similarity 90.9 Matches 20; Conservative

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Acyl CoA:diacylglycerol transferase; DGAT; enzyme; chromosome 14; bovine; milk; meat marbling; low fat; polymorphic; SNP; single nucleotide polymorphism; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                       promoting function, polynucleotides encoding the polypeptide and the recombinant process of producing the polypeptide. The present invention also discloses the agonist resisting the polypeptide and its treatment effect. The present invention also discloses the application of the polynucleotides encoding the human protein with 3T3 cell conversion promoting function.
                                                                                                                                                                                                                                                                                                                                                                                                                            This invention describes a novel human protein with 3T3 cell conversion
                                                                                                                                                                                                                                                                                                                         protein with function of promoting 3T3 cell conversion and its
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid molecule comprising a sequence of an allele of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.1%; Score 18; DB 1; Length 18; 00.0%; Pred. No. 29;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 18 BP; 3 A; 9 C; 1 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                  (SHAN-) SHANGHAI XINSHIJIE GENE TECHN DEV CO LTD.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ARBE-) ARBEITSGEMEINSCHAFT DEUT RINDERZUECHTER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Match Local Similarity 100.0%; Pred. No. 22,
                                                                                                                                                                                                                                                                                                                                                                                      Example 2; Page 13; 41pp; Chinese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 822 CCTCTTCTGCCCAACACT 839
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CCTCTTCTGCCCAACACT 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AB276973 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    05-JUL-2002; 2002WO-EP007520.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-JUL-2001; 2001EP-00116412.
13-MAY-2002; 2002US-0379412P.
                                                                                                                      12-SEP-2001; 2001CN-00126725
                                                                                                                                                            12-SEP-2001; 2001CN-00126725
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-MAY-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Bovine DGAT PCR primer #9
                                                                                                                                                                                                                                                                                     WPI; 2003-494226/47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2003-239205/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Winter A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WO2003004630-A2.
                                                                                                                                                                                                                                                                                                                                              coding sequence
                                                                                                                                                                                                                                          Yang S;
  Homo sapiens.
                                                                            19-MAR-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16-JAN-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABZ76973;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Fries H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                            Gu J,
                                                                                                                                                                                                                                                                                                                             Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present sequence represents a PCR primer for the mouse acyl
CoA:cholesterol acyltransferase designated ACAT-2. ACAT-2 polypeptides
CoA:cholesterol acyltransferase designated ACAT-2. ACAT-2 polypeptides
Con be administered therapeutically, especially by expressing encoding
polynucleotides, to treat individuals in need of ACAT-2 polypeptide. They
may especially be administered to treat disease conditions associated
with elevated cholesterol ester levels e.g. hypercholesterolaemia or
hyperlipidaemia (including hypertrighyceridaemia), since ACAT-2 catalyses
the esterification of cholesterol with fatty acyl CoA substrates. The
polypeptides can also be used to diagnose diseases related to polypeptide
polypeptides can also be used to diagnose diseases related to polypeptide
coppositions and administered therapeutically to treat conditions
associated with ACAT-2; inhibitory agents can especially be used to
inhibit ACAT-2 activity, especially therapeutically, and especially
agents which selectively inhibit ACAT-2 and not prior art ACAT-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel polypeptide, useful to treat conditions associated with elevated cholesterol ester levels e.g. hypercholesterolemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                         Mouse, acyl CoA:cholesterol acyltransferase, ACAT-2, diagnosis, antilipaemic, hypercholesterolaemia, hypertriglyceridaemia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                     Mouse acyl CoA:cholesterol acyltransferase 2 sense PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.2%; Score 18.2; DB 1; Length 24; 87.0%; Pred. No. 44; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human 3T3 cell conversion promoter FP852 PCR primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3T3 cell conversion; promoter; human; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 24 BP; 2 A; 5 C; 7 G; 10 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Erickson SK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                749 CTGTGCCTGGGATCCTTCGTGCC 771
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                                                                                                                                                                                 hyperlipidaemia; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example; Page 40; 57pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Farese RV, Novak S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADL06682 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                        98US-0090354P.
                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                   (REGC ) UNIV CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2000-106291/09
                                                                                                                                                                                                                            Mus musculus
                                                                                                                                                                                                                                                                    WO9967368-A1
                                                                                                                                                                                                                                                                                                                                                  16-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                          23-JUN-1998;
                                                                                                                                                                                                                                                                                                                                                                                                             08-JUN-1999;
                                                             05-APR-2000
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                       AAZ57361;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Cases
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Indels

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The present invention describes a nucleic acid molecule (NA) (I) encoding a bovine acyl CoA-diacylglycerol transferase (DGAT) contributing to or indicative for low fat content of milk and to low meat marbining to or (intramuscular fat content). Human DGAT is located to chromosome 8, and bovine DGAT is located to chromosome 14. (I) is useful for testing a mammal for its predisposition for fat content of milk and/or its predisposition for meat marbing. The method comprises analysing the gene encoding DGAT for nucleotide polymorphisms (e.g. single nucleotide golymorphisms (e.g. single nucleotide polymorphisms are located in the coding region of the DGAT gene and result in substitution, deletion and/or addition of an amino acid sequence of the polymorphisms are located in the coding region of the DGAT gene and result in substitution, deletion and/or addition of an amino acid sequence of the polypeptide which is encoded by the gene. The concleic acid molecule has at the position 10433 and 10434 acytosine or guanine, 11030 a guanine, 11048 a cytosine or thymine and 11093 a cytosine or cytosine ersidue, at position for low fat content of milk and low meat marbing. The nucleic acid molecule has at the position corresponding to position 10433 and 10434 of the DGAT gene two adenine residues which correlate with a predisposition for high content of milk and high meat marbing. The nucleic acid molecule has are located in a region which is responsible for the regulation of the expression of the present sequences used in the exemplification of the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag= a //mod base= OTHER //mod base= OTHER //mod base= OTHER //mod base= Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
  ic bovine acyl CoA-diacylglycerol transferase gene useful for mammal for its predisposition for fat content of milk and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Acyl CoA cholesterol acyltransferase-2, antisense therapy; antilipemic; antistreriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143037.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Score 18; DB 1; Length 20;
Pred. No. 35;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 3 A; 4 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.1%; Scc.
100.0%; Pred. No. ...
0; Mismatches
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1. .20
                                                                                Example 1; Page 36; 91pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1128 GTTCTACCGGGACTGGTG 1145
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACC42449 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         18; Conservative
polymorphic bovine
testing a mammal fo
meat marbling.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             modified base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-AUG-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         nvention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACC42449;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     m
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Matches
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15-JUL-2002; 2002WO-US022746.

WO2003011889-A2

13-FEB-2003

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42411), and mouse ACAT-2 (ACC4312-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42195 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal lipid metabolism, a condition involving abnormal second condition and condition and cholesterol metabolism, atherosclerosis, or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; mouse; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gape
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100.0%; Pred. No. 35;
vative 0; Mismatches 0; Indels
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                                                                                                                                                                                                    Lemonidis KM
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 3; Page 90; 112pp; English.
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                                                            30-JUL-2001; 2001US-00918026.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ACC42404 standard; DNA; 21
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                                                                                                                                                                                                        Graham MJ,
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                                                                                                                                    (ISIS-) ISIS PHARM INC
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                                                                                                                                                                                                        Crooke RM,
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animal. This is particularly useful for improving swine breeding or for
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08-JUN-2001; 2
24-OCT-2001; 2
05-DEC-2001; 2
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Draper K,
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                                                                                                                                                        Query Match
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(PAVC/)
(LEEP/)
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(ROBE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MACE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (RIBO-)
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                                                                                                                                                                                                                                                                                     ACD51913/c
                                                                                                                                                                                                                                                                        RESULT 45
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                                                                                                                                                                                                                                                                                                  The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACA7-2) mucleotide sequence (ACC42409-ACC42431). And mouse ACA7-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with antibit the expression of ACA7-2 nucleotide sequences (ACC42395 and ACC42467). ACA7 anzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACA7-2, e.g. a condition involving abnormal lipid metabolism, a cardiovascular disease. The present sequence is a PCR primer for mouse ACA7-2, used in an example from the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CD 151; porcine reproductive and respiratory syndrome virus; PRRSV; pig; selective breeding; xenotransplant; anti-RNA entry protein; anti-REP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Determining susceptibility and resistance to porcine reproductive and respiratory syndrome virus (PRRSV), useful for improving swine breeding, by assaying for CD 151 in a sample of cellular material of known origin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to a method of determining the susceptibility or resistance of an animal to porcine resproductive and respiratory syndrome virus (PRRSV). This involves assaying for CD 151 in a sample of callular material of known origin from the animal. In addition, coding sequences of CD 151 are described, and anti-viral compounds designated anti-RNA entry proteins (anti-REPs). The method is useful for determining susceptibility and resistance to PRRSV in an
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                                                                                                                                                                                                                                            1.1%; Score 17.8; DB 1; Length 21; 90.5%; Pred. No. 41;
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                                                                                                                                                                                                                        Sequence 21 BP; 5 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Porcine CD 151 coding sequence PCR primer #7.
                                                                                                                                                                                                                                                           Pred. No. 41;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       anti-viral; vaccine; PCR; primer; ss.
                            Example 13; Page 86; 112pp; English.
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                                                                                                                                                                                                                                                                                                  109 GACTTGGTACAATGGACCCGA 129
                                                                                                                                                                                                                                                                                                                          21 GACTTGGTGCAATGGACTCGA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                            Local Similarity 90.5
nes 19; Conservative
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  cardiovascular disease
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screening different pig breeding lines. The method is also useful for developing non-similar recombinant cell lines for propagating the virus, for producing anti-viral compounds or vaccines for inducing immunity against PRRSV, and for diagnosing PRRSV infection in a swine. The present sequence is a PCR primer used to isolate the porcine CD 151 coding the printed specification, but was obtained in electronic form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis, antisense; enzymatic nucleic acid, hammerthead ribozyme; DNAzyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                 Sequence 21 BP; 1 A; 8 C; 3 G; 9 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                        1.1%; Score 17.4; D 94.7%; Pred. No. 49; iive 0; Mismatches
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2001US-0296876P.
2001US-0335059P.
2001US-0337055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24-SEP-2003 (first entry)
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Matches 18; Conservative
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В;
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MCSWIGGEN J.
MORRISSEY D.
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DRAPER K.
ROBERTS E.
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(GEST ) GENSET
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04-NOV-1998;
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                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, inczymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds compounds and/or potential therapies directed against HBV, and compounds methods of the invention and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HBV ribozyme, inozyme, inozyme, zinzyme, DNAzyme or amberzyme sequences
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                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Hepatitis B virus, HBV, 88; enzymatic nucleic acid; RNA cleavage, pepatitis B virus infection; hepatitis; hepatocellular carcinoma; cirrhosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotroplic; antiinflammatory; cytostatic.
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                                                                                                                                                                                                                                                                                                Query Match 1.1%; Score 17; DB 1; Length 17; Best Local Similarity 100.0%; Pred. No. 40; Matches 17; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 6 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hepatitis B virus (HBV) RNA target sequence #846.
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  Page 152; 387pp; English.
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07-FEB-1994; 94US-00193627.
08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-0063885.
24-OCT-2000; 2000US-0069347.
                                                                                                                                                                                                                                                                                                                                                     261 AGGTTCCTTGAGCAGGA 277
                                                                                                                                                                                                                                                                                                                                                                                                                                            ADMS8712 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                  17 AGGTTCCTTGAGCAGGA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hepatitis B virus
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  Example 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Vaccine; eye disease; conventional trachoma; nonendemic trachoma; paratrachoma; inclusion conjunctivitis; genital disease; perihepatitis; nongonococcal uretritis; epidymitis; cervicitis; salpingitis; PCR primer; bartholinitis; pneumopathy; venereal lymphogranulomatosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCR primers AAZ01426-Z06209 were used to amplify open reading frames (ORFs) of the genome of Chlamydia trachomatis (see AAZ01425). These ORFs encode polypeptides (see AAZ0154949) which can be used as vaccines against Chlamydia trachomatis. Antisense and ribozyme sequences can also
specifically cleaving RNA derived from hepatitis B virus and comprisione or more binding arms, useful for treating hepatitis and cirrhosis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.1%; Score 17; DB 1; Length 17; 100.0%; Pred. No. 40; Active 0; Mismatches 0; Indels
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                                                                                                                                        Disclosure, SEQ ID NO 846; 122pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Genome sequence of Chlamydia trachomatis.
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97FR-00016034.
98US-0107077P.
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ID AAZ02911 standard; DNA; 20
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Best Local Similarity
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ö A nucleic acid molecule encoding HALP protein having anti-apoptotic activity in HIV-1 infected cells, is new. The agent is selected from HALP, CD4, DF2, DF3, CG8 and molecule selected from those given in the specification. The disorder may be acute and chronic inflammatory disease, leukemia, myocardial infarction, stroke, traumatic brain injury, rheumatoid arthritis, system lupus erythematosus, or hair loss. The method is considered antiinflammatory, cytostatic, cardiant, carebroprotective, immunomodulator, antirheumatic, antiarthritic, immunosuppressive, dermatological and anti-HIV. HALP, CD4, DF2, DF3, and cC8 are useful for maintaining cell viability in a subject having a disorder characterized by inordinate cellular apoptosis, such as acute be used to control growth of the microorganism. Chlamydia trachomatis is responsible for a large number of diseases, e.g. eye diseases such as conventional trachoma, nonendemic trachoma, paratrachoma, and inclusion conjunctivitis; genital diseases such as nongonococcal uretritis, epidymitis, cervicitis, salpingitis, perihapatitis, bartholinitis; pneumopathy in breast feeding infants; and venereal lymphogranulomatosis. The polypeptides of the invention may be of use in treating these New HALP protein and nucleic acids having anti-apoptotic activity in HIV-infected cells, useful for treating HIV infection and AIDS, or disorders associated with inordinate cellular apoptosis, e.g. leukemia, stroke or brain injury. Gaps HALP protein, anti-apoptotic activity; chronic inflammatory disease; leukemia, myocardial infarction; stroke; traumatic brain injury; muscular degenerative diseases; aging; tumor induced-cachexia; rheumatoid arthritis; system lupus erythematosus; hair loss; antiinflammatory; cytostatic; cardiant; cerebroprotective; immunomodulator; antirheumatic; antiarthritic; immunosuppressive; ; Score 16.8; DB 1; Length 20; Pred. No. 57; Indels 7 Sequence 20 BP; 4 A; 7 C; 5 G; 4 T; 0 U; 0 Other; 0; Mismatches (CHIL-) CHILDRENS HOSPITAL PHILADELPHIA Primer #2 used to to generate DA2 cDNA dermatological; anti-HIV; ss; primer. Example 2; Page 28; 92pp; English. 342 GATGGAGGTGCAGCATTTCC 361 20 GATGGAGCTGCAGCATTGCC 1 BP 1.1%; 19-FEB-2003; 2003WO-US004945. 19-FEB-2002; 2002US-0358495P. ADC84458 standard; DNA; 20 (first entry) 18; Conservative WPI; 2003-679875/64. Local Similarity Finkel TH, Yin J; WO2003070906-A2. 01-JAN-2004 28-AUG-2003 Synthetic. Query Match Matches ADC84458/ 8888888888888 ઠે 셤

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            stroke, traumatic brain injury, neural and muscular degenerative diseases, aging, tumor induced-cachexia, rheumatoid arthritis, system lupus erythematosus, or hair loss. The HALP nucleic acids are particularly useful for the development of therapeutic agents for treating HIV infection and AIDS. The present sequence represents a primer used in the method of invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42431), and mouse ACAT-2 (ACC424313-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; mouse; ss.
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chronic inflammatory disease, leukemia, myocardial infarction,
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90.0%; Pred. No. 57;
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useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or
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/note= "Oligonucleotide has phosphorothioate backbone and
all cytidine nucleotides are 5-methylcytidine. Optionally
some nucleotides with 2'-methoxyethyl (2'-MOE wings)
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                                                                                                              Score 16.8; DB 1; Length 20;
Pred. No. 57;
                                                                                                                                                     Indels
                                                                                   Sequence 20 BP; 5 A; 10 C; 2 G; 3 T; 0 U; 0 Other;
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                                                     cardiovascular disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
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cardiovascular disease
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                    1324
                                                                                                                   ACC42445;
Matches
                                                                         RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC44409-ACC4241), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and hinbib the resession of ACAT-2 nucleotide sequences (ACC42358 and ACC44402). ACAT enzymes catalyse the synthesis of cholesterol esters from tree cholesterol and fatty acyl-CoA. The antisense oligonucleotides are with ACAT-2, e.g. a condition annual which has a disease or condition associated condition involving abnormal lipid metabolism, a therosclerosis, or
                                                                                                                                                                                                                                                                                                                                               all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                 Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                           /mod_base= OTHER
/note= "Oligonucleotide has phosphorothioate backbone
                              Gaps
                                                                                                                                                                                            Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143041.
                              ö
          Length 20;
                              Indels
                              7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 7 A; 6 C; 6 G; 1 T; 0 U; 0 Other;
          DB 1;
         Score 16.8; Pred. No. 57;
                              0; Mismatches
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                                                                                                                                                                                                                                                                                           cocation/Qualifiers
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                                                   970 GCCAACATGAGCCGAGAGCC 989
                                                                       20 GCCAACATGAGCCGGGAACC 1
                                                                                                                              BP.
         1.1%;
                                                                                                                                                                                                                                                                                                                                                                       modification'
                                                                                                                                                                                                                                                                                                                                                                                                                                     15-JUL-2002; 2002WO-US022746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          30-JUL-2001; 2001US-00918026
                                                                                                                                                                                                                                                 phosphorothioate; mouse; ss
                                                                                                                              ACC42453 standard; DNA; 20
                                                                                                                                                                         (first entry)
         Query Match
Best Local Similarity 90.0
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cardiovascular disease
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                                                                                                                                                                                                                                                                                            Key
modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /notë= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) modification"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; mouse; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                 Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143033
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           antisense oligonucleotides for modulating acyl CoA cholesterol
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.1%; Score 16.8; D
90.0%; Pred. No. 57;
Live 0; Mismatches
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CTGGGGTTCTTCTATCCCGT 1343
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ID ACC42445 standard; DNA; 20
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Best Local Similarity
Matches 18; Conserv
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modified_base
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913 CTGGGATGTGTGCTCTATGC 932

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DB 1; Length 20;

Score 16.8; I Pred. No. 57;

1.1%;

Query Match Best Local Similarity ВЪ.

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ADJ24468 standard; DNA; 20
                                                             ADJ24468;
                           ADJ24468/
               RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) nucleotide sequence (ACC42409-ACC42431), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal sets at the condition atherosclerosis, or
                                                                                                                                                                                                                                                                                           /mod_base= OTHER //note= note phosphorothicate backbone and note= "Oligonuclectide has phosphorothicate backbone and all cytidine nuclectides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                    Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                              Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143044.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New antisense oligonucleotides for modulating acyl CoA cholesterol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.1%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 57;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 20 BP; 5 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lemonidis KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 16; Page 90; 112pp; English.
                                                                                                                                                                                                                                                         cocation/Qualifiers
CTGGGCTGTTTGCTCTATGC
                                                                         ВР
                                                                                                                                                                                                                                                                                                                                             nodification"
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                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JUL-2001; 2001US-00918026.
                                                                                                                                                                                                          phosphorothioate; mouse; as
                                                                         ACC42456 standard; DNA; 20
                                                                                                                        (first entry)
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*tag=
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Best Local Similarity
Matches 18; Conserv
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                                                                                                                                                                                                                                                                     modified_base
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                                                                                                                                                                                                                                  Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                              /mod_base= OTHER //mod_base a phosphorothioate //note= "This oligonucleotide has a phosphorothioate backbone and 2-methyoxyethyl (2'-WOE) wings at the 5' and 3' ends, which are 4 nucleotides in length. Also all
                                                                                                            Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ25517), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                         Human endothelial lipase antisense oligonucleotide, SEQ ID 2866.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytidine residues are 5-methylcytidines"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 3; SEQ ID NO 2866; 1007pp; English.
                                                                                                                                                                                                                                                                                                                                  location/Qualifiers
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(first entry)
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modified_base
                                                                                                                                                                                                                                               Homo sapiens
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20-MAY-2004
                                                                                                                                                                                                                                                                            Synthetic.
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ADJ23788/
ID ADJ2
XX
AC ADJ2
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Conservative

1523 CTTTCTGGGGCTGGTGACA 1542

CATTCTGGGGGATGGTGACA 1

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Plasmid for prodn. of super:oxide dismutase - using Escherichia coli host cell contg. temp. sensitive repressor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                High level expression of authentic hSOD was achieved by a single base change in the beta-lactamase RBS region as compared to the sequence present in psobbetal111 (AAQ38664). The 22 bp long Ssp1-NdeI fragment of psobbetaMA (AAQ38665) was replaced with 3 different synthetic fragments, each having a single base substitution which eliminates the first ATG (either C, T or A instead of G in the third position of the initiator codon; producing psobbetaMAX10 (AAQ38666), psobbetaMAX11 (AAQ3867) and psobbetaMAX12 (AAQ3868) respectively). Only the G to C and G to A substitutions resulted in high level hSOD expression upon induction.
Superoxide dismutase; beta-lactamase; RBS; initiation codon; pSODbetalT11; pSODbetaMAX12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BSSL; biologically functional bile salt stimulated lipase; CEL; carboxyl ester lipase; hybridisation; milk protein; transgeninc; infant milk substitute; oral; specific; lipolysis; vitamin; bile; lipid malabsorbtion; cystic fibrosis; chronic pancreatitis; digestion;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (Updated on 25-MAR-2003 to correct PP field.)
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                                                                                                                                                                                                                                                                                                                                                                                      Gorecki M, Aviv
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                                                                                                                                                                                                                                                                                                                                              (BIOT-) BIO-TECHNOLOGY GENERAL CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BSSL/CEL Exon 11 repetition Primer.
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85US-00767143.
86US-00897056.
88US-00202238.
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                                                                                                                                                                                                                                                                                                                                                                                      Hartman JR, Oppenheim AB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ54227 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 90.0
Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1992-398025/48.
                                                                                                                                                                                                                                       27-AUG-1984;
19-AUG-1985;
                                                                                                                                                                                                                                                                                 14-AUG-1986;
                                                                                                                                                                                                   08-DEC-1989;
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                                                                                                                   US5162217-A.
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27-JUN-1994
                                                                                                                                                           10-NOV-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  23-DEC-1993
                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ54227;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ54227,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotide for modulating endothelial lipase expression, for diagnosing, preventing or treating e.g. dyslipidemia, low high density lipoprotein or cardiovascular disorders.
                                                                                              Antilipaemic, Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                               /*tag= a //mod base= OTHER /mod base= OTHER /mode as a phosphorothioate //note= "This oligonucleotide has a phosphorothioate backbone and 2- methyoxyethyl (2'-MOE) wings at the 5' and 3' ends, which are 4 nucleotides in length. Also all
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to antisense oligonucleotides (AbJ21603-AbJ25510) targeted to human Endothelial Lipase (EL) coding sequence (AbJ25517), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                      Human endothelial lipase antisense oligonucleotide, SEQ ID 2186.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Indels
                                                                                                                                                                                                                                                                                                                                                                                    cytidine residues are 5-methylcytidines
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4 A; 1 C; 10 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         5;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90.0%; Pred. No. 57; tive 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; SEQ ID NO 2186; 1007pp; English.
                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                238 AAACCTCTGCCCCCACCTCC 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 AAACCTCTGTCCACACCTCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-JUL-2003; 2003WO-US022410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19-JUL-2002; 2002US-0397106P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ38666 standard; DNA; 21
                  (first entry)
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(first entry)
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hes 18; Conservative
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/*tag=
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                                                                                                                                                                                                                                           Key
modified_base
                                                                                                                                                                                sapiens.
                  20-MAY-2004
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07-MAY-1993
                                                                                                                                                                                                   Synthetic
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Matches

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Gaps

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                                                                                                                                                                                       The primers (AAQ54221-28) are used to amplify fragments of the BSSL / CEL gene, (AAQ54222). Which encodes a bile salt-stimulated lipse / carboxyl ester lipses which when expressed by transgenic animals can be used as a human milk substitute. The BSSL is designed to pass through the stomach and is activated in the small intestine. As it has a broad substrate specificity it can mediate the complete digestion of most dietary lipids. (Updated on 25-MAR-2003 to correct PN field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          SOD; expression vector; superoxide dismutase; superoxide radical injury; human CuZn SOD; organ transplantation; spinal cord injury reduction; spinal cord ischaemia; therapy; ds.
                                                                                        Lidberg UFP;
                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                   DNA encoding bile salt-stimulated lipase/carboxyl ester lipase - expressed by transgenic non-human mammals and used as human milk substitute, contains intron sequences.
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0
                                                                                                                                                                                                                                                                                 1.1%; Score 16.8; DB 1; Length 21; 90.0%; Pred. No. 62; artive 0; Mismatches 2; Indels
                                                                                        Carlsson PNI, Enerback CSM, Hansson SL,
                                                                                                                                                                                                                                                                Sequence 21 BP; 8 A; 5 C; 7 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                          SOD expression vector fragment betaMAX10.
                                                                                                                                                                       Disclosure; Page 36; 76pp; English.
                                                                                                                                                                                                                                                                                                                       1050 GCTGCTGCTCATCTTTG 1069
                                                                                                                                                                                                                                                                                                                                       21 ścirścieckircircing 2
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                        92SE-00001809.
92SE-00001826.
92SE-00002088.
93SE-00000902.
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85US-00767143.
86US-00897056.
88US-00202238.
89US-00449125.
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       93WO-SE000515
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                                                                                                                                                                                                                                                                                                                                                                                    AAZ92061 standard; DNA; 21
                                                                                                Toernell JBF;
                                                                                                                                                                                                                                                                                                                                                                                                                        09-JUN-2000 (first entry)
                                                                                                                                                                                                                                                                                                     18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gorecki M, Gonenne A;
                                                                                                                   WPI; 1994-007527/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2000-205188/18
                                                                                                                                                                                                                                                                                           Local Similarity
                                                                      (ASTR ) ASTRA AB.
                                                                                      Bjursell KG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      27-AUG-1984;
19-AUG-1985;
14-AUG-1986;
       09-JUN-1993;
                                  12-JUN-1992;
                                                    19-MAR-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     26-MAY-1995;
                          11-JUN-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-FEB-2000.
                                                                                                   Nileson JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US6030611-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-JUN-1988
08-DEC-1989
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     21-AUG-1992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                       AAZ92061;
                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                    Matches
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This sequence represents a fragment of a superoxide dismutase (SOD)
expression vector. The invention relates to methods of treating injuries
caused by superoxide radicals, comprising administering enzymatically
cative human CuZm SOD one method is for reducing injuries caused by
superoxide radicals to an organ recipient following an organ
transplantation, which comprises administering a composition comprising
carymatically active CuZm SOD (which has the amino acid sequence and
enzymatic activity of natural human CuZm SOD) and a carrier. The other
method of the invention is for reducing spinal cord injuries caused by
infusion into the patient, which composition comprising enzymatically
active CuZm SOD (which has the amino acid sequence and enzymatic activity
cof natural human CuZm SOD) and a carrier. The methods are used to treat
injuries caused by superoxide radicals; especially injuries to organs
following transplantation and spinal cond injuries caused by superoxide
radicals in a patient due to reperfusion following spinal cord ischaemia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 RNA interference; short interfering nucleic acid; siNA; short interfering NRA; aiRNA; double-stranded RNA; mitro-RNA; mirnA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analyysis; gene mapping; cancer; cytostatic; human; oncogene; epidermal growth factor receptor; EGFR; HER2; EGFR2; neu; erbB2; c-erb-B-2; target sequence; ss.
injuries caused by superoxide radicals by administering
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               DB 1; Length 21;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 21 BP; 7 A; 2 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; Score 16.8; DB
; Pred. No. 62;
0; Mismatches
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                                                                                           Example 19; Col 50; 58pp; English.
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                             superoxide dismutase enzymes.
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2002US-0363124P.
2002WO-US016840.
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2002US-0386782P.
2002US-0393924P.
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Best Local Similarity 90.0
Matches 18; Conservative
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11-MAR-2002;
29-MAY-2002;
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29-AUG-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          05-SEP-2002;
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Reducing
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of one or more human epidermal growth factor receptor (EGFR) genes (including HER1, HER2 HER3 and HER4) by RNA interestively are assembled from a sense oligomiclectide and an antisense oligomiclectide. Specifically, the siNAs include short an antisense oligomiclectide. Specifically, the siNAs include short interfering RNA (siRNA), double-stranded RNA, micro-RNA (miRNA) and short hairpin RNA (siRNA). The siNAs can be unmodified or chemically modified, can contain deoxyribonuclectides, and can be chemically synthesised. Can contain deoxyribonuclectides, and can be chemically synthesised, can contain deoxyribonuclectides, and can be chemically synthesised. Can complexes of siNA; and vectors that express siNA. The siNAs are advorted to modulate expression of EGFR genes in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants or corganisms (e.g., by ex vivo gene therapy), or in grafts and transplants or corganisms (e.g., by ex vivo gene therapy), or in grafts and transplants or creating a wide range of cancers such as breast and ovarian cancer. The sinAs are also useful for drug screening, diagnosis, therapeutic target candontification and validation, genetic engineering, pharmacogenomics, studying gene function, and gene mapping (e.g., of single nucleotide contains the present sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and validation, genetic engineering the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence represents the upper strand of a characting and proper sequence of cancers and concerns 
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                                                                                                                                        New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth factor receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; cancer; cytostatic; human; oncogene; epidermal growth factor receptor; EGFR; HERZ; EGFR2; neu; erbB2; c-erb-B-2; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                 Jamison S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 16.4; DB 1; Length 19;
Pred. No. 62;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RNA interference; short interfering nucleic acid; siNA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human HER2 (EGFR2) sinA lower strand, SEQ ID NO:282.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 19 BP; 2 A; 5 C; 10 G; 0 T; 2 U; 0 Other;
                                                 Fosnaugh K,
                                                                                                                                                                                                                                                    Example 3; SEQ ID NO 33; 171pp; English
                                                 Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the HER2 transcript target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       667 CAGCICCCCCCCGCCICC 684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18 CAGCTCCCGCAGGCCTCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADL79117 standard; RNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.0%;
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(RIBO-) RIBOZYME PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local Similarity 94.4'
Matches 17; Conservative
                                                 Pavco P,
                                                                                                 WPI; 2003-697612/66.
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                                                 Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
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ADL79117
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of one or more human epidermal growth factor computation (since plant) and the state of the s
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth factor receptor gene.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human genome; biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 2 A; 10 C; 5 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.0%; Score 16.4; D
Best Local Similarity 83.3%; Pred. No. 62;
Matches 15; Conservative 2; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 3; SEQ ID NO 282; 171pp; English.
                                                                                                                                                                                                                                                                                                                                                                    Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         667 CAGCICCGCCGCCTCC 684
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                                                                    2002US-00163552.
2002US-0386782P.
2002US-0393924P.
                                                                                                                                                                       2002US-0408378P.
                                                                                                                                                                                           2002US-0409293P
                                                  2002WO-US016840
                                                                                                                                                2002US-0406784P
                                                                                                                                                                                                                                           2002US-00277494
                                                                                                                                                                                                                                                                         15-JAN-2003; 2003US-0440129P
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                                                                                                                                                                                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                    Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-697612/66.
                                                                                             06-JUN-2002; 203-JUL-2002; 29-AUG-2002; 205-SEP-2002;
                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen J,
                                                                                                                                                                                           09-SEP-2002;
                                                                                                                                                                                                                                             21-OCT-2002;
                      11-MAR-2002;
29-MAY-2002;
                                                                      06-JUN-2002;
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Mutations in 3 known genes of the KCNQ branch of the potassium channel constraints in the constraint of the protessium channel constraints and in the constraints of constraints of the 
                                                                                                                                                                                                                                                                                                                                                                        Nucleic acids encoding the novel KCNQ4 potassium channel subunit, useful
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 3; Page 26; 65pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 434 ATGAGGCAGGCTGCTGG
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                                                                              19-JAN-2000; 2000WO-DK000024.
                                                                                                                                 99DK-00000076.
                                                                                                                                                                                                                (NEUR-) NEUROSEARCH AS
                                                                                                                                                                                                                                                                                                                           WPI; 2000-548813/50
                                                                                                                                 26-JAN-1999;
19-MAY-1999;
                                                                                                                                                                                                                                                                     Jentsch TJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                   diseases.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Loca
Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ7440 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and dispostic methods, as well as the characterisation of the pharmaceutical ascential efficacious responses to and side effects from pharmaceutical agents acting on a disease as well as other treatment.

N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3056, 3157, 327, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KCNQ4; potassium channel; cardiac arrhythmia; neonatal epilepsy; deafness; probes; treatment; therapy; transgenic animal; antibody; agonist; antagonist; tinnitus; hearing loss; neonatal deafness; prebbyacusis; affective disorder, Alzheimer's disease; anxiety; ataxia; cognitive deficits; compulsive behavior; dementia; depression; Huntington's disease; mania; memory impairment; motor disorders; neurodegenerative disease; parkinson's disease; pick's disease; psychosis; schizophrenia; spinal cord damage; stroke; tremor; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Primer (Mklr) for amplifying murine KCNQ1 potassium channel gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.0%; Score 16.4; DB 1; Length 20; 94.4%; Pred. No. 68; lve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 2 A; 10 C; 1 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                          Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 9; Page 2731; 2745pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           821 TCCTCTTCTGCCCAACAC 838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAA47648 standard; cDNA; 21 BP
                                                                                                                                                                                                                99WO-IB000822.
                                                                                                                                                                                                                                                                   98US-0082614P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 94.4%;
les 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                       Cohen D, Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              map of the human genome
                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-013267/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present invention
                                                                                                                                                                                                                                                                                                                                                 GEST ) GENSET
diagnosis; ss.
                                                     Homo sapiens.
                                                                                                                                                                                                                                                                   21-APR-1998;
23-NOV-1998;
                                                                                                        WO9954500-A2
                                                                                                                                                                                                                21-APR-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                08-NOV-2000
                                                                                                                                                          28-OCT-1999
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                                                                                                            Сарв
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                                                                   . Match 1.0%; Score 16.2; DB 1; Length 21; Local Similarity 85.7%; Pred. No. 80; es 18; Conservative 0; Mismatches 3; Indels
                                  Sequence 21 BP; 2 A; 3 C; 11 G; 5 T; 0 U; 0 Other;
the murine KCNQ1 potassium channel gene
                                                                                                                                               454
                                                                                                                                                                                 21
                                                                                                                                                                                                                                                                            AAF95935 standard; DNA; 21 BP
                                                                                                                                                                                                                                                                                                                   AAF95935;
                                                                                                                                                                                                                          RESULT. 64
                                                                                                                                                                                                                                                       AAF95935
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WO200044786-A1

Aus musculus.

AAA47648

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RNA stability; RNA expression; RNA synthesis; antisense; enzymeric nucleic acid; hammerhead riboxyme; bNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
    Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV;
    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                disease, stroke, peripheral vascular diseases, venous thromboembolism and bulmonary embolism. Single nucleotide polymorphisms (SNPs) are also useful in forensics, paternity testing, genetic analysis and phenotype correlations to diseases. The present sequence is an example of one of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various polymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart
                                                       Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myccardial infarction; atherosclerosis; stroke; venous thromboembolism; pulmonary embolism; paternity test; ds.
                                                                                                                                                                                                                                                                                                                                                                                                           Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                              /standard_name= "single nucleotide polymorphism"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 16.2; DB 1; Length 21; 85.7%; Pred. No. 80; 3; Indels iive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                           Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 21 BP; 3 A; 9 C; 5 G; 4 T; 0 U; 0 Other;
                           Human gene single nucleotide polymorphism #696.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        correlations to diseases. The present sequence the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                                                                                             တွ
                                                                                                                                                                                                                                                                                                                                                                                                          Gargill M, Ireland JS, Bolk
                                                                                                                                                                                                                                                                                                                                                                 (WHED ) WHITEHEAD INST BIOMEDICAL RES. (MILL-) MILLENNIUM PHARM INC.
                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example; Page 96; 242pp; English.
                                                                                                                                                                    replace(11,T)
                                                                                                                                                                                                                                                                                                           10-SEP-1999; 99US-0153357P.
26-JUL-2000; 2000US-0220947P.
16-AUG-2000; 2000US-0225724P.
                                                                                                                                                                                                                                                                                 07-SEP-2000; 2000WO-US024503
 (first entry)
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Best Local Similarity 85.7
Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           atherosclerosis.
                                                                                                                                                                                                                           WO200118250-A2
                                                                                                                             Homo sapiens.
 06-JUN-2001
                                                                                                                                                                                                                                                       15-MAR-2001
                                                                                                                                                                                                                                                                                                                                                                                                           Lander ES,
                                                                                                                                                        Key
Variation
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, amberzymes, amberzymes, and G-cleaver ribozymes, Also disclosed are incleic acid decoy molecules and G-cleaver ribozymes. Also disclosed is an uncleic acid decoy molecules and G-cleaver ribozymes, Also disclosed is a soligonucleotides that specifically bind the Enhancer I region of HBV genes and MBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene carcinoma. The present sequence represents a substrate for one of the HBV infection, replication and gene archives in the present sequence represents a substrate for one of the HBV infection.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ρ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Lee
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 16; DB 1; Length 17;
100.0%; Pred. No. 61;
ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 4 A; 7 C; 3 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 1; Page 138; 387pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       disclosed in the present invention
                                                                                                                                                            26-MAR-2002; 2002WO-US009187.
                                                                                                                                                                                                                                                                   08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   262 GGTTCCTTGAGCAGGA 277
                                                                                                                                                                                                                                          2001US-00877478
                                                                                                                                                                                                                                                                                                                                                                          RIBOZYME PHARM INC.
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           GGTTCCTTGAGCAGGA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                            MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
Then 16; Conserve
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-229207/22.
Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      LEE P.
DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ROBERTS E.
                                                    WO200281494-A1.
                                                                                                                                                                                                              26-MAR-2001;
                                                                                                                                                                                                                                          08-JUN-2001;
                                                                                                         17-0CT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Blatt L, N
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           infection.
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                                                                                                                                                                                                                                                                                                                                                                          (RIBO-)
(BLAT/)
                                                                                                                                                                                                                                                                                                                                                                                                                            (MACE/)
(MCSW/)
(MORR/)
(PAVC/)
(LEEP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ROBE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DRAP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ð
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HBV hammerhead ribozyme substrate sequence #111.

1220 ATCAGGATGGGCTGCGGCTCC 1240

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1 Arcaccardecerecederec 21

RESULT 65

cytostatic; vasotropic; nephrotropic; cerebroprotective; treating leukaemia; solid tumors; restenosis; polycystic kidney disease; bronchiolitis; glomerulonephritis; stroke; RNA interference; short interfering nucleic acid; sinA; short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene amapping; human; platelet derived growth factor receptor; PDGFr; ss.

WO2003072704-A2

Homo sapiens.

Human PDGFr-targeted sinA lower strand SEQ ID NO:509.

(first entry)

01-JUL-2004

AD015078;

BP.

ADO15078 standard; RNA; 19

67 AD015078 RESULT

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Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; Pepatitis B virus infection; hepatitis; hepatocellular carcinoma; cirthosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotropic; antlinflammatory; cytostatic.
                                                                  Hepatitis B virus (HBV) RNA target sequence #144.
                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 144; 122pp; English.
                 ADM58010 standard; RNA; 17 BP.
                                                                                                                                                                                                        07-FEB-1994; 94US-00193627.
08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-00696387.
                                                                                                                                                                                15-JAN-2003; 2003US-00342902
                                                                                                                                                                                                                                                    08-JUN-2001; 2001US-00877478
                                                  (first entry)
                                                                                                                                                                                                                                                                                     (MCSW/) MCSWIGGEN J A. (MORR/) MORRISSEY D.
                                                                                                                                                                                                                                                                                                               Draper K, Blatt L,
                                                                                                                                                                                                                                                                                                                               WPI; 2004-247781/23
                                                                                                                             Hepatitis B virus.
                                                                                                                                                                                                                                                                    DRAPER K.
                                                                                                                                              JS2004054156-A1.
                                                                                                                                                                                                                                                                              BLATT L.
                                                                                                                                                                                                 14-MAY-1992;
                                                                                                                                                               18-MAR-2004.
                                                  03-JUN-2004
                                  ADMS8010;
                                                                                                                                                                                                                                                                     DRAP/)
                                                                                                                                                                                                                                                                              BLAT/)
         ADM58010/c
RESULT 66
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The invention relates to short interfering nucleic acids (siNA) which downregulate expression of the human platelet-derived growth factor comprise ribonucleotides and may be double or single stranded. They creceptor (PDGFT) gene by RNA interference. The siNAs may or may not comprise ribonucleotides and may be double or single stranded. They further comprise sense and matisense regions, or alternatively are assembled from a sense oligonucleotide short interfering RNA (siRNA, double-completed RNA, micro-RNA (miRNA) and short interfering RNA (siRNA, double-completed RNA, micro-RNA (miRNA) and short hairpin RNA (siRNA). The siNAs can be unmodified or chemically modified, can contain corraymatically synthesised. The invention also relates to kits complexes of siRNA; and vectors that express siNA, The siNAs are used to modulate expression of the PDGFr gene in cells, tissue explants or complexes of siRNA; and vectors that express siNA. The siNAs are used to complexes of siRNA; and solid tumours, restenosis, polycystic kidney corganisms (e.g., by ex vivo gene therapy), or in grafts and transplants or treating leukaemia and solid tumours, restenosis, polycystic kidney disease, bronchiolitis, glomerulonephritis and stroke. The siNAs are also useful for drug screening, diagnosis, therapeutic target identification conduction, and gene mapping (e.g., of single nucleotide polymorphisms). The present sequence represents the lower strand of a human PDGFr transcript carget double-stranded siNA, which is identical to the PDGFr transcript
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New short interfering nucleic acid, useful e.g. for treatment and diagnosis of tumors, downregulates expression of the platelet-derived growth factor receptor gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 3; SEQ ID NO 509; 148pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mcswiggen J, Beigelman L, Chowrira B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20-FEB-2002; 2002US-0358580P.
11-MAR-2002; 2002US-0363124P.
06-JUN-2002; 2002US-0386782P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  29-AUG-2002; 2002US-0406784P.
05-SEP-2002; 2002US-0408378P.
09-SEP-2002; 2002US-0409293P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           05-FEB-2003; 2003WO-US003473.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15-JAN-2003; 2003US-0440129P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2003-731605/69.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            04-SEP-2003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an enzymatic nucleic acid molecule that specifically cleaves RNA derived from hepatitis B virus (HBV) and comprising one or more binding arms, without requiring the presence of a 2'-0H group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, hepatocellular carcinoma, cirrhosis and liver failure, either alone or in combination with other therapies such as lamivudine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.ttml.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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100.0%; Pred. No. 61;
ive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 7 C; 3 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Morrissey D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              262 GGTTCCTTGAGCAGGA 277
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target sequence

17 GGTTCCTTGAGCAGGA 2

Local Similarity 100. nes 16; Conservative

Query Match Best Local S: Matches 16

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22-APR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                      ADM94080;
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                                                                                                                                                                                                                                                                                      RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to short interfering nucleic acids (siNA) which downregulate expression of the human platelet-derived growth factor receptor (PDGFr) gene by RNA interference. The siNAs may or may not comprise ribonucleotides and may be double or single stranded. They further comprise sense and antisense regions, or alternatively are assembled from a sense oligonucleotide and an antisense oligonucleotide. Specifically, the siNAs include short interfering RNA (siRNA, double-stranded RNA, micro-RNA (miRNA) and short hairpin RNA (siRNA, double-can be unmodified or chemically short hairpin RNA (siRNA). The siNAs can be unmodified or chemically synthesised, expressed from a deoxyribonucleotides, and can be chemically synthesised, expressed from a perform or in vitro or in vivo delivery of siRNA; conjugates and/or complexes of siRNA; and vectors that express siNA. The siNAs are used to modulate expression of the PDGFr gene in cells, tissue explants or
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                                                                                                                                                                                                                                                                      cytostatic; vasotropic; nephrotropic; cerebroprotective; treating leukaemia; solid tumors; restenosis; polycystic kidney disease; bronchiolitis; glomerulonephritis; stroke; RNM interference; short interference; about interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; human; platelet derived growth factor receptor; PDGFr; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New short interfering nucleic acid, useful e.g. for treatment and diagnosis of tumors, downregulates expression of the platelet-derived
                                                  Gaps
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0
                           DB 1; Length 19;
                                                   Indels
                                                                                                                                                                                                                                                  Human PDGFr-targeted siNA upper strand SEQ ID NO:198.
                                                  2;
6 C; 7 G; 0 T; 6 U; 0 Other;
                        1.0%; Score 15.8; I
Local Similarity 57.9%; Pred. No. 80;
Les 11; Conservative 6; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; SEQ ID NO 198; 148pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Chowrira B;
                                                                             1314 CTGCTTCGTCCTGGGGTTC 1332
                                                                                                      1 cudeuvceuccudeccuc 19
                                                                                                                                                                        ВЪ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        05-FEB-2003; 2003WO-US003473.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           11-MAR-2002; 2002US-0363124P.
06-JUN-2002; 2002US-0386782P.
29-AUG-2002; 2002US-0406784P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-SEP-2002; 2002US-0408378P.
09-SEP-2002; 2002US-0409293P.
15-JAN-2003; 2003US-0440129P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2002US-0358580P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           growth factor receptor gene.
                                                                                                                                                                       ADO14767 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mcswiggen J, Beigelman L,
                                                                                                                                                                                                                         (first entry)
  BP; 0 A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-731605/69.
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                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                20-FEB-2002;
    Sequence 19
                                                                                                                                                                                                                         01-JUL-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                              04-SEP-2003
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                           Query Match
                                                     Matches
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organisms (e.g., by ex vivo gene therapy), or in grafts and transplants for the treatment of a variety of conditions. They may be used for treatment of a variety of conditions. They may be used for dreating leuksemia and solid tumoures, restenosis, polycystic kidney alsease, bronchiolitis, glomerilonephritis and stroke. The sinhs are also useful for drug screening, diagnosis, therapeutic target identification and validation, genetic engineering, pharmacogenomics, studying gene function, and gene mapping (e.g., of single nucleotide polymorphisms). The present sequence represents the upper strand of a human POGFreargeted double-stranded sinh, which is identical to the PDGFr transcript
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes a set of nucleic amplification primers capable of amplifying a VH-JH or DH-JH IGH, VK-JK or VK/intron-Kde IGK, Vdambda-Jdanbda IGL, Vbeta-Jbeta TRB or Dbeta-Jbeta TCRB, VY-JY TCRG, Vdelta-Jdelta, Ddelta-Ddelta or Vdelta-Ddelta TCRD rearrangement comprises a forward primer and a reverse primer. Also described: (1) a nucleic acid amplification assay, preferably a PCR or multiplex PCR assay, using the set of primers; (2) detecting VH-JH or DH-JH IGH, VK-JK or VK/intron-Kde IGK, Vlambda-Jiambda IGL, Vbeta-Jbeta TCRB or Dbeta-Jbeta TCRB, VY-JY TCRG, Vdelta-Jdelta, Ddelta-Ddelta or Vdelta-Ddelta TCRB, Vd-JK or Vdelta-Jdelta or Jdelta-Jdelta or Jdelta-Jdelta JGZ-J) or t(14;18) (BCL2-IGH); (4) detecting human TBXASI, recombination activating protein (RAGI), promyelocytic leukaemia zinc finger protein
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid amplification; primer; PCR; detection;
chromosomal translocation; clonal rearrangement; chromosome aberration;
lymphoproliferative disorder; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New set of nucleic amplification primers comprising a forward primer a
a reverse primer and capable of amplifying a rearrangement, useful in
diagnosing lymphoproliferative disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Van Dongen JJM, Langerak AW, Schuuring EMD, San Miquel JF;
Garzia Sanz R, Parreira A, Smith JL, Lavender FL, Morgan GJ;
Evans PAS, Kneba M, Hummel M, Macintyre EA, Bastard C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 6 A; 7 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. 80;
0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 15.8;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1314 CIGCITCGICCIGGGGTIC 1332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IGH tube D DH family primer DH4.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 2; Fig 4A; 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19 criderricerciredecric 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADM94080 standard; DNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             13-OCT-2003; 2003WO-NL000690.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-JUL-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-364878/34.
                                                                                                                                                                                                                                                                                                                                                                                            target sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2004033728-A2.
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(PLZF) or AF4 gene; (5) assessing clonal rearrangements and/or chromosome aberrations; and (6) a kit for the detecting at least one rearrangement comprising the set of primers. The new set of nucleic amplification primers capable of amplifying a VH-JH or DH-JH IGH, VK-JK or VK/intron-Kde ICK, VJambda-Jlambda IGL, VDeta-Ubeta TCRB or Dbeta-Dbeta TCRB, VY-JY TCRG, Vdelta-Jdelta, Ddelta or Vdelta-Ddelta TCRB rearrangement are useful in diagnosing lymphoproliferative disorders. The present
                                                                                                                                                                                                                          sequence is used in an example from the present invention.
   888888888888
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Sequence 19 BP; 6 A; 7 C; 5 G; 1 T; 0 U; 0 Other;

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Gaps
                           .
0
Score 15.8; DB 1; Length 19;
Pred. No. 80;
                           2; Indels
                           0; Mismatches
             89.5%;
                         Matches 17; Conservative
 Query Match
Best Local Similarity
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AAV70046 standard; DNA; 20 AAV70046; RESULT 70 AAV70046 

ВР

(first entry) 04-FEB-1999

Rat; c-fos; c-jun; activating protein 1; AP-1; diagnosis; metastasis; antisense oligonucleotide; phosphorothioate; regulation; malignant tumour; cell cycle expression; hyperproliferative disease; ss.

Rat c-Fos protein antisense oligonucleotide #100.

Synthetic. Rattus sp Location/Qualifiers
1. .20
/\*teg= a
/note= "phosphorothioate linkages" Key modified\_base

WO9846272-A1

22-OCT-1998

98WO-US007386 97US-00837201 14-APR-1998; 14-APR-1997;

(ISIS-) ISIS PHARM INC

Baker Mckay R, Miraglia L, WPI; 1998-609906/51. Dean NM,

AAV70042 to AAV70052 represent antisense oligonucleotides which are specifically hybridisable with a region of a nucleic acid encoding rat c-bos protein. The antisense compound regulates the expression of the c-Fos protein. The antisense compound regulates the expression of the c-Fos protein. The present invention also describes antisense oligonucleotides which regulate the c-Jun protein. The antisense oligonucleotides are used for the diagnosis and treatment of diseases or disorders associated with Activating Protein 1 expression, of which c-Fos and c-Jun are subunits. The antisense oligonucleotides are used in compositions as c-Fos and/or c-Jun together with a carrier and a chemotherapeutic agent. They are used to regulate the expression of c-Fos or c-Jun in cells or tissues, preferably by inhibiting metastasis. They also regulate cell cycle Antisense oligonucleotides regulating Activating Protein 1 subunits - hybridise with c-fos and c-jun mRNA, used for regulating metastasis, cell cycle expression and hyperproliferative disease. Example 9; Page 57; 120pp; English.

DB 1; Length 20;

1.0%; Score 15.8;

Query Match

Seguence 20 BP; 5 A; 6 C; 2 G; 7 T; 0 U; 0 Other;

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AAA08759-62 are primers used to generate probes to detect cDNA which encodes a novel human interferon, designated "interferon-epsilon" (IRN-e). The IFN-e gene has been mapped to chromosome 9922.2. Variants and mouse/human chimeric IFN-e proteins are also claimed. IFN-e, its variants and chimeras are used to inhibit viral infection and prolliferation of cancer cells, particularly of B-cell lymphoma and chronic or acute (IVmphatic leukemia, (claimed) and to treat many other prolliferative consuronal cell growth, e.g. in cases of depression, to meurodegeneration, to treat myocarditis and to promote growth of, or protect, fetuses. They may be expressed in vivo from vectors or recombinant viruses containing the appropriate nucleic acid. IFN-e antibodies and anti-idiotypic antibodies are used as immunoassay reagents and as antiviral and cantipoliferative agents. IFN-e-derived fusion proteins are used to identify agonists and antagonists, useful as additives for culture media, for inducing expression of antigen, as additives or immunotherapy or immunoscintigraphy and also for characterizing cognate receptors
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      expression and can be used to treat an animal with, or being prone to, hyperproliferative disease
                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                       Interferon-epsilon; IFN-e; antiviral; anticancer; immunomodulatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New murine and human interferon-epsilon, useful for treating viral infection, cancer and other proliferative diseases e.g. multiple sclerosis or arteriosclerosis.
                                                                                                                         ö
                                                                                         Length 20
                                                                                                                                                                                                                                                                                                                                                                       Primer 1 to amplify human interferon epsilon gene probe 2.
                                                                                                                         2; Indels
                                                         Sequence 20 BP; 1 A; 8 C; 6 G; 5 T; 0 U; 0 Other
                                                                                         DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Kindsvogel W;
                                                                                                         87;
                                                                                                                         0; Mismatches
                                                                                         Score 15.8;
Pred. No. 87
                                                                                                                                                                                                                                                                                                                                                                                                                        antiproliferative; probe; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 2; Page 131; 140pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Rixon M,
                                                                                                                                                          627 GGTGCTCTGCGCGCTGCCG 645
                                                                                                                                                                            BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98US-00157068.
99US-00245293.
99US-00350232.
                                                                                         1.0%;
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                                                                                                                                                                                                                                                                        AAA08761 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                      19-JUL-2000 (first entry)
                                                                                                                         17, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Conklin DC, Grant FJ,
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                                                                                                          Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      16-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-SEP-1998;
05-FEB-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-JUL-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                                                                                                                                                                                      AAA08761;
                                                                                           Query Match
                                                                                                                        Matches
                                                                                                                                                                                                                                        RESULT 71
AAA08761/
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Matches

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RESULT 72 AAH28055,

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Nucleic acid molecules encoding interferon epsilon polypeptides useful for treating certain autoimmune diseases, cancers and for the enhancement of immune response against infectious agents.
                                                                                                                                                                                                                   Human; interferon-epsilon; IFN-epsilon; cytostatic; immunosuppressive;
virucide; gene therapy; autoimmune disease; lymphoproliferative disorder;
cancer; tumour; B-cell lymphoma; lymphatic leukaemia; immune response;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to an isolated nucleic acid molecule encoding a murine interferon epsilon (IFN-epsilon, Zifne) polypeptide. IFN-epsilon MA is useful for producing IFN-epsilon polypeptides which is useful for treating autoimmune diseases, cancers, tumours and lymphoproliferative disorders including B-cell lymphoma, chronic lymphatic leukaemia and acute lymphatic leukaemia. IFN-epsilon protein is useful for the enhancement of immune response against infectious agents, e.g. virus. IFN-epsilon DNA is useful in gene therapy. The present sequence is a PCR primer used for expressing human interferon (IFN)-epsilon gene
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                                                                                                                                                                            Human interferon (IFN)-epsilon gene expressing ZC18425 PCR primer.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human chromosome 1p36-35 PCR primer SEQ ID NO:605.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 5 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Kindsvogel W;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; Score 15.8; D
89.5%; Pred. No. 87;
ative 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 292 CTGGGGAAACAGAAGTTT 310
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          19 CTGAGGAAGCAGAAGTTT 1
                                               AAD27315 standard; DNA; 20 BP.
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99US-0118578P.
99US-0142766P.
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                                                                                                                                   09-APR-2002 (first entry)
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                                                                                                                                                                                                                                                                                       Zifne; PCR primer; ss.
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Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-SEP-1998;
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08-JUL-1999;
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                                                                                        AAD27315;
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ID AAD2
  RESULT 73
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCR primers AAH27888-AAH28055 represent PCR primers used to amplify and identify minimal deletions in the human FRA16D oxidoreductase (FOR) gene. The FOR gene encodes a ceneer associated brotein. The FRA16D site is a fragile site induced by aphidicalin, which is located within the FOR gene. The fragile site is the location of breakpoints of a variety of chromosomal rearrangements, and other mutations associated with cancers. The FOR protein is expressed as a number of splice variants. FOR gene polynucleotide fragments are capable of acting as specific primers or probes for detecting cancer associated variations of DNA sequence such as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a point mutation or small DNA rearrangement associated with the tumour, a breakpoint of one or more chromosomal rearrangements associated with the tumour and a pause site within the FRAIG gene. FOR nucleic acid molecules are useful as markers to identify relationship between the fragile site (FRAIGD) and the DNA instability in neoplasia which allows better
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Novel isolated 16q23.2 nucleic acid molecule, FRA16D oxidoreductase (FOR) gene associated with FRA16D site, useful for early diagnosis and assessment of risk of cancers associated with the FRA16D region.
                                                                                                                                                                                                                                                                                                                                                                                             Cancer associated protein; FOR gene; FRA16D; fragile site; aphidicolin; chromosomal rearrangement; cancer; splice variant; DNA instability; FRA16D oxidoreductase; neoplasia; PCR primer; ss.
                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Dayan S;
                                                                                                                                                                                                                                                                                                                                                      PCR primer for a minimal deletion in FRA16D oxidoreductase gene.
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Nancarrow J, Woollatt E, Baker E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 15.8; DB 1; Length 20;
Pred. No. 87;
                        Indels
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                           2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              diagnosis of cancers associated with the region
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                        0; Mismatches
    No.
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      Pred.
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                                                                    292 CTGGGGAAACAGAAGTTT 310
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                                                                                                             19 CTGAGGAAGCAGAAGTTT 1
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89.28;
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                                                                                                                                                                                                                                                                                                              (first entry)
                           17; Conservative
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                             resultant cultures are amplified by using the above primer; (g) signals are detected from the amplified by using the clones in the multiwell plates are specified from the detected result; and (i) the clones are reconstituted as the positions on the chromosome and arrayed. The microarray is useful for gene analysis. ABL42957 to ABL45322 represent represent processing the man chromosome 1936-35 DNA, and ABL45323 to ABL45634 represent PCR primers for human chromosome 21q22.1, which are specifically claimed for use in the present invention
                                                                                                                                                                                                                                                                     The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order of the markers is changed so that the same discrimination Nos. succeed to the maximum in the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. array the multiwell discrimination Nos. are mixed respectively in each wells of longitudinal and lateral directions; (f) the mixed clones are cultured and the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, ribonuclease L; antisense modulation; cytostatic; antimicrobial; antinfilammatory; antitumour; ribonuclease L expression inhibitor; antisense gene therapy; infection; aberrant apoptosis; cancer; tumour; inflammation; phosphorothioate; 2'-0-methoxyethyl; ss.
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Pred. No. 87;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2; Indels
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1. .20
/*tag= a
                                                                                                                                                                                                                                             Claim 4; Page 16; 528pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       936 CTTCATCCTGGGCCGCCTC 954
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                                                                                               12-MAR-2001; 2001JP-00068285
                                                                                                                        10-MAR-2000; 2000JP-00066716
                                                                                                                                                  (RIKA ) RIKAGAKU KENKYUSHO.
(GENO-) GENOTEX YG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACC49211 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                                                                                                                    Arraying genome clones.
                                                                                                                                                                                          WPI; 2002-144136/19
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                                           JP2001321190-A.
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modified_base
                   Homo sapiens.
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                                                                     20-NOV-2001
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The present invention describes a compound (1) of 8-50 nucleobases in length targeted to a nucleic acid molecule (II) encoding ribonuclease L (III), and which specifically hybridises with at least an servicesation of (III), where (I) specifically hybridises with at least an servicesation of an active site on (II). (I) has cytostatic, antimicrobial, antiinflammatory and antitumour activities, and can be used as a ribonuclease L expression inhibitor and in antisense gene therapy. (I) is useful for inhibiting the expression of ribonuclease L or cancer. (I) is also useful for modulating the process of RNA-mediated interference (RNA) in a call or animal. (I) is also useful a condition or tumour formation. (I) is useful as a tool in differential and/or cumour formation. (I) is useful as a tool in differential and/or cumour formation. (I) is useful as a tool in differential and/or combinatorial analyses to elucidate expression patterns of a portion or the entire complement of genes expressed within cells and tissues. (I) is also useful for research, therapeutics and disgnostics. (I) is also useful for research, therapeutics and disgnostics. (I) is also useful for useful for prophylactions of various members of a boilogical pathway, and in antisense gene therapy. The present sequence represents a human ribonuclease L chimeric phosphorochioate antisense oligonucleotide,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel antisense compound which is targeted to nucleic acid encoding ribonuclease L, and inhibits expression of ribonuclease L protein, useful for treating diseases or conditions resulting from infections and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                                                                                                                                                                                                                                                                        /mod_base= OTHER
/note= "2'-0-methoxyethyls (2'-MOEs)"
                                                                                                                                     /mod_base= OTHER
/noce= "2'-O-methoxyethyls (2'-MOEs)
116. :20
/*tag= c
                               "phosphorothioate linkages
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89.5%; Pred. No. 87;
ative 0; Mismatches
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/mod_base= OTHER
/note= "phosphoro
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                                                                      modified base
                                                                                                                                                                                                     modified base
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Synthetic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation codon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a cuse in antisense gene therapy. The composition may have a cuse in antisense gene therapy. The composition may have a cuse in antisense gene therapy. The composition may have a composition are sepiratory, lung or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing levels of adenosine creeptor, producing bronchodilation, increasing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or lung inflammation, lung allergies, or a respiratory disease or condition, lung allergies, or a respiratory disease or condition. Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                    Pharmaceutical composition for treating ailments associated with impaired respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid or
                       Human, antisense; lung dysfunction; nasal airway dysfunction; antinflammatory steroid; ubiquinone; antinflammatory; antiallergic; antisathmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine seceptor; bronchodilation; bronchodonstriction; lung allergy; lung inflammation; respiratory disease; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                  Katz E, Pabalan J, Aguilar D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cn 1.0%; Score 15.8; DB 1; Length 20; 1 Similarity 89.5%; Pred. No. 87; 17; Conservative 0; Mismatched
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 20 BP; 5 A; 2 C; 9 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 15; SEQ ID NO 2332; 872pp; English.
                                                                                                                                                                                                                                                                                                  Li Y, Sandrasagra A, K.
Tang L, Shahabuddin S;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1157 CCTTCTCCAACTACTACCG 1175
 Human oligonucleotide sequence
                                                                                                                                                                                                                 23-APR-2002; 2002WO-US013135.
                                                                                                                                                                                                                                             24-APR-2001; 2001US-0286137P.
                                                                                                                                                                                                                                                                         (EPIG-) EPIGENESIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ACA63127 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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Best Local Similarity
                                                                                                                                                          WO200285308-A2
                                                                                                                                Homo sapiens.
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                                                                                                                                                                                                                                                                                                                 Miller S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACA63127;
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                                                                                                                                                                                                                                                                                                     Nyce JW,
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ACA63127/c
ID ACA6312
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AC ACA6312
AC ACA6312
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Matches
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The invention describes a new isolated polypeptide comprising an amino acid sequence of: (a) residues 22-192 of a sequence having 192 amino acids (SI) given in the specification; (b) SI, that is at least 70% identical to residues 27-183 of SI; or (c) at least 15 contiguous amino acid residues of SI. The composition and methods are useful for thinbiting viral infection of cells, proliferation of tumour cells and in diagnosing and treating a variety of medical conditions, including autoimmune diseases (e.g. multiple sclerosis), hepatitis, Parkinson's disease, Alzheiner's disease, cancers, and infections (e.g. bacterial or viral such as AIDS). This sequence represents a probe used to detect DNA encoding the novel human cytokine of the invention, interferon-epsilon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New interferon-epsilon polypeptide for diagnosing and treating autoimmune diseases, hepatitis, Parkinson's disease, Alzheimer's disease, cancer or infections (e.g. bacterial or viral such as AIDS).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                     Human, interferon-epsilon, zifne, cytostatic, antibacterial, virucide, anti-HIV, hepatotropic; neuroprotective, noctropic; antiparkinsonian; gene therapy, viral infection; tumour cell proliferation; autoimmune disease; multiple sclerosis; hepatitis; Parkinson's disease; Alzheimer's disease; cancer; infection; cytokine; probe; ss.
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89.5%; Pred. No. 87;
ive 0; Mismatches
Human interferon-epsilon (Zifne) probe #3.
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99US-0118578P.
99US-0142766P.
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hes 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (ZYMO ) ZYMOGENETICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Grant FJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-491969/46.
                                                                                                                                                                                                                                                                                                                            US2003013162-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     18-SEP-1998;
05-FEB-1999;
08-JUL-1999;
                                                                                                                                                                                                                                                                  Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                           16-JAN-2003
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23-APR-2002; 2002WO-US013143. 24-APR-2001; 2001US-0286036P.

WO200285309-A2 Homo sapiens.

31-OCT-2002

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The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACC42409-ACC4241), and mouse ACAT-2 (ACC42432-ACC42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42355 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a condition involving abnormal cholesterol metabolism, atherosclerosis, or
                                                                                /note= "Oligonuclectide has phosphorothicate backbone and all cytidine nuclectides are 5-methylcytidine. Optionally some nuclectides with 2'-methoxyethyl (2'-MOE wings) modification"
                                                                                                                                                                                                                                                                                                                                                                                                                                                 New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 20 BP; 2 A; 6 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                          Lemonidia KM;
                   Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 3; Page 90; 112pp; English
                                                                                                                                                                                                                                                            15-JUL-2002; 2002WO-US022746.
                                                                                                                                                                                                                                                                                               30-JUL-2001; 2001US-00918026.
                                                                         /mod_base=
/note= "Oli
                                                                                                                                                                                                                                                                                                                                                                          Crooke RM, Graham MJ,
                                                       *tag=
                                                                                                                                                                                                                                                                                                                                   (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       cardiovascular disease
                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-248145/24.
                                                                                                                                                                                   WO2003011889-A2
                   Key
modified_base
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Gaps ; 0 Score 15.8; DB 1; Length 20; Pred. No. 87; 0; Mismatches 2; Indels ch l Similarity 89.5%; 17; Conservative Best Local Similarity Query Match Matches ઠે

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983 GAGAGCCCTTCAGCACCCG 1001 ~ 20 GGGAACCCTTCAGCACCG

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ABD23320/c ID ABD23320 standard; DNA; 20 29-JUL-2004 ABD23320 RESULT 79 

(first entry)

Human myosin X-derived oligonucleotide SEQ ID 2332.

respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antialathmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; se; primer. Human; antisense; bronchoconstriction; allergy; hyposecretion; pain;

The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonuclectides, (c) device, in separate containers, (b) the oligonuclectides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a composition comprises of composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung with a disease or conditions used as pulmonary vasoconstriction, allergies and/or bronchoconstriction, and/or bron ö comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it This invention describes a novel composition (a) a first active agent ဌ Gaps Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted trucleic acids associated with lung airway or lung dysfunction, and ä ö Aguilar DB 1; Length 20; Pabalan J, Seguence 20 BP; 5 A; 2 C; 9 G; 4 T; 0 U; 0 Other; Mismatches Katz E, 1.0%; Score 15.8; 89.5%; Pred. No. 87 Claim 15; SEQ ID NO 2332; 763pp; English Li Y, Sandrasagra A, Ka Tang L, Shahabuddin S; 1157 CCTTCTCCAACTACTACCG 1175 ; 0 EPIG-) EPIGENESIS PHARM INC 17; Conservative bronchodilating agent WPI; 2003-093058/08 Sest Local Similarity Miller S, Query Match Nyce JW, Matches ò a

ADI81478 standard; DNA; 20 RESULT 80 ADI81478/

22-APR-2004 (first entry) ADI81478; DIX X X X I

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(ISIS-) ISIS PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Synthetic
                    Dobie KW;
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                                                                                                                                                                                                                                                                                                           The invention comprises antisense oligonucleotides that are targeted to a nucleic acid encoding P2X4. The antisense oligonucleotides are useful for inhibiting the expression of P2X4 in cells or tissues to rreat diseases associated with P2X4 expression, such as: neurological disorders, bone disorders (e.g. osteoporosis), or rheumatoid arthritis. The present DNA sequence represents an antisense oligonucleotide for the human P2X4 gene. The present DNA sequence is a 2'-O-methoxyethyl gapmer with a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     antisense oligonucleotide; P2X4; P2X4-associated diseases;
neurological disorder; bone disorder; osteoporosis; rheumatoid arthritis;
2'-O-methoxyethyl gapmer; phosphorothioate backbone; human; ss.
                              antisense oligonucleotide; P2X4; P2X4-associated diseases;
neurological disorder; bone disorder; osteoporosis; rheumatoid arthritis;
2'-O-methoxyethyl gapmer; phosphorothioate backbone; human; ss.
                                                                                                                                                                                                                                               for
                                                                                                                                                                                                                                              New antisense oligonucleotides for modulating P2X4 expression, useful for diagnosing, preventing or treating conditions associated with P2X4, e.g. neurological disorders, osteoporosis or rheumatoid arthritis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 87;
Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human P2X4 gene-specific antisense oligonucleotide #33.
            Human P2X4 gene-specific antisense oligonucleotide #98.
                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 5 A; 6 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                           Example 15; SEQ ID NO 110; 67pp; English
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                                                                                                                                        01-JUL-2002; 2002US-00187659
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                                                                                                                                                                                  (ISIS-) ISIS PHARM INC
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                                                                                               US2004002152-A1.
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                                                                          Homo sapiens
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                                                                                                                   01-JAN-2004
                                                                                                                                                                                                       Dobie KW;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 81
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                                                              useful for
                                                                                           diagnosing, preventing or treating conditions associated with P2X4, e.g. neurological disorders, osteoporosis or rheumatoid arthritis.
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                                                                     New antisense oligonucleotides for modulating P2X4 expression,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    human; single nucleotide polymorphism; SNP; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.0%; Score 15.8; D
89.5%; Pred. No. 87;
ative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 2; SEQ ID NO 7168; 2627pp; Japanese
                                                                                                                                                                                                         Example 15; SEQ ID NO 45; 67pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (KAGA-) KAGAKU GLJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                501 GGTGACCTGGGTGCCCATG 519
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2 GTTGACCTGGATGCCCATG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Primer of the invention #3859.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         08-MAR-2002; 2002JP-00064373
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADK98139/c
ID ADK98139 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                phosphorothioate backbone.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-093977/10.
WPI; 2004-081656/08
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gibbs026-3.rng

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ADJ23665 standard; DNA; 20
                                                                                                                                                                                        Synthetic.
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                                                                ADJ23665;
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                                  ADJ23665/
                       RESULT
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 expression, for diagnosing, preventing or treating e.g. dyslipidemia, low
high density lipoprotein or cardiovascular disorders.
                                                                                                                                                                                                Antilipaemic, Cardiovascular, Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                            /mod_base= OTHER
/note= "This oligonucleotide has a phosphorothioate
backbone and 2-'methyoxyethyl (2'-NOE) wings at the 5'
and 3' ends, which are 4 nucleotides in length. Also all
cytidine residues are 5-methylcytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ25511), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoportotin (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
            Gaps
                                                                                                                                                                            Human endothelial lipase antisense oligonucleotide, SEQ ID 2345.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New antisense oligonucleotide for modulating endothelial lipase
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.8; DB 1; Length 20;
Pred. No. 87;
           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 4 A; 1 C; 10 G; 5 T; 0 U; 0 Other;
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Pred. No. 87;
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                                                                                                                                                                                                                                                                              .ocation/Qualifiers
                                1270 CTGGGTGTGTTCCTGGTCT 1288
Local Similarity 89.5%; Pr
nes 17; Conservative 0;
                                                      N
                                                                                                            BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ch 1.0%;
1 Similarity 89.5%;
17; Conservative
                                                                                                            ADJ23947 standard; DNA; 20
                                                                                                                                                        (first entry)
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/*tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2004-132912/13.
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                                                                                                                                                                                                                                                                                                                                                                                WO2004009541-A2.
                                                                                                                                                                                                                                                                               Key
modified_base
                                                                                                                                                                                                                                               sapiens
                                                                                                                                                        20-MAY-2004
                                                                                                                                                                                                                                                        Synthetic
                                                                                                                                  ADJ23947;
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Best Loc
Matches
                                                                                                                                                                                                                                               Ношо
                                                                                      RESULT 83
                                                                                                  ADJ23947/
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                                                                                                                                                                                                                                                                                                                                                                          1. .20
/*tag= a
/mod base= OTHER
/mote= "This oligonucleotide has a phosphorothioate
/note= "This oligonucleotide has a thosphorothioate
/note= "This oligonucleotide has a phosphorothioate
/mote= "This oligonucleotide and 2" + mucleotide in length. Also all
cytidine residues are 5-methyloytidines"
                                                                                                                  Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to antisense oligonucleotides (ADJ21603-ADJ25510) targeted to human Endothelial Lipase (EL) coding sequence (ADJ2551), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoprotein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                          Human endothelial lipase antisense oligonucleotide, SEQ ID 2063.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 15.8; DB Pred. No. 87; 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 3; SEQ ID NO 2063; 1007pp; English.
                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               239 AACCTCTGCCCCCACCTCC 257
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ~
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUL-2002; 2002US-0397106P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADN48796 standard; DNA; 20
(first entry)
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hes 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-132912/13
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO2004009541-A2
                                                                                                                                                                                                                                                                                                                                                   Key
modified base
                                                                                                                                                                                                                                                        Homo sapiens.
20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                29-JAN-2004.
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ID ADN4
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Gaps

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Indels

7

0; Mismatches

237 CAAACCTCTGCCCCCACCT 255

Matches

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19 charccrcrcrcrcrcrcrcr 1

Mon Nov

gibbs026-3.rng

RESULT 86

AAX09362,

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/mod_base= OTHER
/note= "Phosphorothioate backbone where all cytidines are
5-methyl cytidines"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      targeted to nucleic acid encoding human Notch (Drosophila) homologue 4 and which modulate the expression Notch (Drosophila) homologue 4. The invention is useful for inhibiting the expression of Notch (Drosophila) homologue 4 in cells or tissues, in treating a disease or condition associated with Notch (Drosophila) homologue 4 which includes hyperproliferative disorder such as cancer, rheumatoid arthritis and diabetes and useful prophylactically to prevent or delay infection, inflammation and tumour formation. The invention is also useful in antisense therapy. The present sequence is human Notch (Drosophila) homologue 4 antisense oligonucleotide. This sequence is used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New compound of 8-50 nucleobases in length which specifically hybridizes with and inhibits the expression of Notch (Drosophila) homolog 4, useful for treating cancer, rheumatoid arthritis or diabetes.
                                                                                          Notch (Drosophila) homologue 4; hyperproliferative disorder; rheumatcoid arthritis; diabetes; prophylactic; infection; inflammation; tumour formation; antisense therapy; human; antisense; phosphorothicate backbone; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present invention provides antisense okigonucleotides which are
                                                             Human Notch (Drosophila) homologue 4 antisense oligo ISIS 141637
                                                                                                                                                                                                                                                                                                                                                                                                                                    -MOE) nucleotide
                                                                                                                                                                                                                                                                                                                                                                      -MOE)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 2 A; 8 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                   /mod_base= OTHER
/note= "2' -methoxyethyl (2'
                                                                                                                                                                                                                                                                                                                                                                    -methoxyethyl (2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15; SEQ ID NO 49; 66pp; English.
                                                                                                                                                                                                                          Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                     /mod_base= OTHER
/note= "2' -methor
16. .20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   16-OCT-2002; 2002US-00273070.
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                               (first entry)
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                                                                                                                                                                                                                                                                                                                                      *tag=
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-340034/31
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                                                                                                                                                                                                                                       modified base
                                                                                                                                                                                                                                                                                                                       modified base
                                                                                                                                                                                                                                                                                                                                                                                    modified_base
                                                                                                                                                                           Homo sapiens.
                              15-JUL-2004
                                                                                                                                                                                            Synthetic.
ADN48796;
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AXX09121-X10268 are allele-specific oligonucleotide primers used in the isolation of various biallelic polymorphic markers found in the human generation of various biallelic polymorphic markers found in the human generation of a Agammaglobulanein a Adalot forms in an individual for use in e.g. forensics, paternity testing or for phenotypic typing for diseases such as agammaglobulinemia, diabetes insiplidus, Lesch-Nyhan syndrome, muscular dystrophy, Wiskott-Aldrich syndrome, Fabry's disease, familial hypercholesterolemia, polycystic kidney disease, hereditary aphenory, wiskott-Aldrich syndrome, Fabry's disease, hereditary aphenory, wiskott-Aldrich syndrome, fabry's disease, tubercous sclerosis, hereditary hemorrhagic telangiectesia, familial colonic polyposis, Ehlors-Danlos syndrome, osteogenesis imperfecta, acute intermittent porphyria, autoimmune diseases, inflammation, cancer, diseases of the nervous cutoimmune diseases, inflammation, cancer, diseases of the nervous as longevity, appearance (e.g. baldness, obesity), strength, speed, endurance, fertility, and susceptibility or receptivity to particular drugs or therapeutic treatments. The isolated polymorphic nucleic acid segments can also be used to produce medicaments for the treatment or prophylaxis of such diseases
                                                                                                                                                    Polymorphism; biallelic; human; forensic; paternity testing; disease; detection; phenotypic typing; characteristic; infection; hereditary; autoimmune disease; cancer; inflammation; drug; therapy; medicament;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       New isolated nucleic acid segments from the human genome - used for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         determining polymorphic forms for use in e.g. forensics, paternity testing or phenotypic typing for disease.
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                                                                                                               Human biallelic polymorphic marker upstream primer #242.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 15.8; 1
89.5%; Pred. No. 94;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (WHED ) WHITEHEAD INST BIOMEDICAL RES.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 15; Page 78; 310pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  79 GATGGAAACACTGAGACGC 97
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AAX09362 standard; DNA; 21 BP.
                                                                                                                                                                                                                     treatment; marker; primer; ss.
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                                                                         (first entry)
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Best Local Similarity 89.5'
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 1998-286974/25.
                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                           24-MAR-1999
                                                                                                                                                                                                                                                                                                                WO9820165-A2.
                                                                                                                                                                                                                                                                                                                                                                                            05-NOV-1997;
                                                                                                                                                                                                                                                                                                                                                     14-MAY-1998
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lander ES,
                                                                                                                                                                                                                                                   Synthetic
                                      AAX09362;
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AAX82780/c
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Gaps

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DB 1; Length 20; 2; Indels

Pred. No. 87; 0; Mismatches 1.0%; Score 15.8;

89.5%;

Local Similarity 89.5 Hes 17; Conservative

Best Loca Matches

Query Match

381 CATCGCTGGCCTGTGTC 399

1 CACCACTGGCCTGTGTC 19

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This invention describes novel human and murine G-coupled receptors EDG (endochelial differentiation gene) 6 (I and II). The products of the invention have antiniflammatory, immunomodulatory, antinicrobial, antialergic and cytostatic activity. (I) and (II) are involved in signal transduction. (I), (II) and their fragments, variants and mutants or binding partners, are used therapeutically to modulate the function of blood and body cells, particularly for inhibition of acute and chronic inflammation and to raise specific antibodies against them. They are used as a source of diagnostic oligonuclectides and for gene therappy. Antibodies against (I) and (II) are useful for diagnosis and optionally when coupled to therapeutic agents, toxins or other antibodies, to modulate immune and inflammatory responses for example immunological defects such as inflammation, infection, autoimmune diseases, allergy, tumors, leukemia and lymphona. AAX82777-X82788 represent PCR primers used in the amplification of the human and murine edg6 genes described in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              receptor EDG (endothelial differentiation inflammatory and immune reactions and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; variant thrombospondin 1; variant thrombospondin 4; SNP; polymorphism; vascular disease; coronary artery disease; forensics; myocardial infarction; atherosclerosis; stroke; venous thromboembolism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                         ančiinflammatory; immunomodulatory; antimicrobial; antiallergic;
cytostatic; gene therapy; inflammation; autoimmune disease; allergy;
tumor; leukemia; lymphoma; PCR primer; ss.
                                                                                       human; G-coupled receptor; endothelial differentiation gene;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Score 15.8; DB 1; Length 21; Pred. No. 94; 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 21 BP; 7 A; 3 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human gene single nucleotide polymorphism #2149.
                                                                                                                                                                                                                                                                                                                                                                     (DELB-) DELBRUECK CENT MOLEKULARE MEDIZIN MAX.
                                                                                                                                                                                                                                                                                                                                                                                                         Lipp M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        814 CTCTACTTCCTCTTCTGCC 832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New human and murine G-coupled gene) 6, useful for modulating treatment of allergy or tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 cechácarccicircrece 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example, Page 5; 12pp; German.
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                                                                                                                                                                                                                                                                                                                                 98DE-01043240
                                                     Human edg6 PCR primer hGSP1.
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                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                         Graeler M, Bernhardt G,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity 89.5
les 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2000-258069/23.
                                                                                                                                                                                                                    DE19846979-A1
                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                            13-OCT-1998;
                                                                                                                                                                                                                                                                                                                                 11-SEP-1998;
                   29-JUN-2000
                                                                                                                                                                                                                                                          23-MAR-2000.
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Matches
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The present invention provides a method of diagnosing a vascular disease in an individual, involving determining the sequence at various oblymorphic sites within the human thrombospondin 1 and thrombospondin 4 genes. The sequences at a number of polymorphic sites are also provided in the specification. In particular, the method can be used in the diagnosis of atherosclerosis, myocardial infarction, coronary heart disease, stroke, peripheral vascular diseases, venous thromboembolism and pulmonary embolism. Single nucleotide polymorphisms (SNPs) are also correlations to diseases. The present sequence is an example of one of the human gene SNPS shown in the specification
                                                                                                                                                                                                                                                                                                                                          Mccarthy JJ;
                                                                                                                                                                                                                                                                                                                                                                                                Nucleic acids comprising single nucleotide polymorphisms, useful in applications such as forensics, paternity testing, medicine, genetic analysis and phenotype correlations to diseases such as diabetes and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   probe; ss; chemical modification; methylation; array; CpG island; tumour suppressor; p16; human; H69; H1618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human DNA probe used to immobilise CpG methylated DNA SeqID 1032.
                                                                                                                  /standard_name= "single nucleotide polymorphism"
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                                                                                                                                                                                                                                                                                                                                        Daley GQ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence 21 BP; 4 A; 7 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                          Bolk S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.0%; Score 15.8;
89.5%; Pred. No. 94
             pulmonary embolism; paternity test; ds
                                                                                                                                                                                                                                                                                               (WHED ) WHITEHEAD INST BIOMEDICAL RES.
                                                                                                                                                                                                                                                                                                                                          Ireland JS,
                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example; Page 196; 242pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            435 TGAGGCCAGGCTGCTG 453
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ADJ13905 standard; DNA; 21 BP.
                                                                                    replace (11, T)
                                                                                                                                                                                                        07-SEP-2000; 2000WO-US024503.
                                                                                                                                                                                                                                    99US-0153357P.
                                                                                                                                                                                                                                                  26-JUL-2000; 2000US-0220947P
16-AUG-2000; 2000US-0225724P
                                                                                                                                                                                                                                                                                                            (MILL-) MILLENNIUM PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                          Gargill M,
                                                                                                                                                                                                                                                                                                                                                                       WPI; 2001-226749/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                 atherosclerosis.
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                                                                                                                                               WO200118250-A2
                                           Homo sapiens
                                                                                                                                                                                                                                    10-SEP-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                         15-MAR-2001
                                                                                                                                                                                                                                                                                                                                           Lander ES,
                                                                       Key
Variation
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This invention relates to a novel method for analysing chemically modified macromolecules. Specifically, it refers to a high throughput method for the parallel analysis of many potential sites of chemical modification (e.g. methylation) in DNA. The present invention describes treating the DNA with one or more chemical reagents that result in different base sequences depending upon the presence or absence of the modification of interest. Accordingly, a device comprising an array of probes is provided to hybridise with and select the altered DNA sequences that comprise the modifications of interest such as a CpG island. In particular, this invention refers to analysing the methylation pattern of a region of the promoter for the tumour suppressor gene pl6 from two human lung tumour cell lines H69 and H1618. This oligonucleotide sequence is a human DNA probe used to immobilise CpG methylated DNA of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Vascular endothelial growth factor receptor; VBGF receptor; flt-1; flk-1; MSR; hammerhead ribozyme; hairpin ribozyme; Cleavage; tumour angiogenesis; psoriasis; rhematoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
                                                                                                                              Analysis of chemical modification of DNA involves obtaining sample of to be analyzed, treating DNA with chemical reagents that result in different base sequences, and determining sequence of resulting DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 21 BP; 3 A; 10 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Escopedo 1;
                                            Balog RP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pred. No. 94;
0; Mismatches
                                                                                                                                                                                                                       Example 1; SEQ ID NO 1069; 210pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 15.8;
89.5%; Pred. No. 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Stinchcomb D,
                                            Luebke KJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                432 TGATGAGGGCAGGCTGCTG 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        20 reareadedecedecedere 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        BP.
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96US-00584040.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 89.8
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pavco P, Mcswiggen J,
                                            Minna JD,
                                                                                      WPI; 2003-874843/81.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (RIBO-) RIBOZYME PH/
(CHIR ) CHIRON CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 1997-259017/23
(BALO/) BALOG R P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           25-OCT-1996;
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11-JAN-1996;
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                                            Garner HR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        modified macromolecules. Specifically, it refers to a high throughput method for the parallel analysis of many potential sites of chemical modification (e.g. methylation) in DNA. The present invention describes treating the DNA with one or more chemical reagents that result in different base sequences depending upon the presence or absence of the modification of interest. Accordingly, a device comprising an array of probes is provided to hybridise with and select the altered DNA sequences that comprise the modifications of interest such as a CpG island. In particular, this invention refers to analysing the methylation pattern of a region of the promoter for the tumour suppressor gene pl6 from two human lung tumour cell lines H69 and H1618. This oligonucleotide sequence is a human DNA probe used to immobilise CpG methylated DNA of the
                                                                                                                                                                                                                                                                                                                                     Analysis of chemical modification of DNA involves obtaining sample of DNA to be analyzed, treating DNA with chemical reagents that result in different base sequences, and determining sequence of resulting DNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention relates to a novel method for analysing chemically
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     probe; ss; chemical modification; methylation; array; CpG island;
tumour suppressor; p16; human; H69; H1618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human DNA probe used to immobilise CpG methylated DNA SeqID 1069
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Pred. No. 94;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 21 BP; 3 A; 12 C; 2 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                Balog RP;
                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; SEQ ID NO 1032; 210pp; English.
                                                                                                                                                                                                                                                Luebke KJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                432 TGATGAGGCAGGCTGCTG 450
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                                          27-JUN-2002; 2002US-00184085
                                                                                      27-JUN-2001; 2001US-0301370P
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Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADJ13942 standard; DNA; 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                              Garner HR, Minna JD,
                                                                                                                                                     MINNA J D.
LUEBKE K J.
                                                                                                                                                                                                                                                                                      WPI; 2003-874843/81
                                                                                                                                GARN/) GARNER H R.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (GARN/) GARNER H R. (MINN/) MINNA J D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (MINN/) MINNA J D. (LUEB/) LUEBKE K J.
                                                                                                                                                                                                    BALO/) BALOG R P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US2003152950-A1
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14-AUG-2003
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(LUEB/)
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                                                                       The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endochelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flc-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour anglogenesis, coular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX77275 to AAX75722 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                          Gaps
stability - useful for treating e.g. tumour angiogenesis, psoriasis,
rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6626.
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                                                                                                                                                                                                                                                                         Score 15.4; DB 1; Length 17;
Pred. No. 78;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Chen W,
                                                                                                                                                                                                                                               Sequence 17 BP; 2 A; 6 C; 4 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Hanzel DK,
                                              Claim 4; Page 99; 218pp; English
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2000US-0236359P.
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94.1%;
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2001WO-US000662,
2001WO-US000663,
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30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
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                                                                                                                                                                                                                                                                                                                                        120 ATGGACCCGACACATGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                ABN06634 standard; DNA; 17
                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 94.1%
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2002-179446/23
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27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ABN06634;
                                                                                                                                                                                                                                                                                                                                                                                                                   RESULT 92
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to be provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be concent special immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desoription indisation, as the argument in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration of the sequence sequences encoding hGDMLP-1 may be used for diagnosing a clasorder associated with the expression of hGDMLP-1, in particular heart and skeleral muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. CT he sequence data for this patent did not form part of the printed production in the exemplification of the present invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                desorption ionization, comprises human myosin-like protein hGDMLP-1,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6627
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DB 1; Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 5 C; 5 G; 4 T; 0 U; 0 Other;
                                                          Disclosure; SEQ ID NO 6626; 214pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.0%; Score 15.4; D
Local Similarity 94.1%; Pred. No. 78;
nes 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      at ftp.wipo.int/pub/published_pct_sequence
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30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
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2000US-0236359P.
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2001WO-US000665.
2001WO-US000666.
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2001WO-US000662
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            16; Conservative
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30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches
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increrce action can be used as pious to detect, circlaterise and quantity hopping. Increase acids in separates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specifically of assays used to determine the concentration capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.
                                                                                                                                                                                                                                   New polypeptide, for raising antibodies that recognize hGDWLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDWLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence represents an oligomer used in the screening of the hGDWLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                     Shannon ME;
                                                                                                                                     Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 4 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                     Rank DR,
                                                                                                                                                                                                                                                                                                                                            Disclosure; SEQ ID NO 6627; 214pp; English
                                                                                                                                  Hanzel DK,
30-JAN-2001; 2001WO-US000670.
05-FEB-2001; 2001US-0266860P.
                                                                                                                                  Gu Y, Ji Y, Penn SG,
                                                                             (AEOM-) AEOMICA INC.
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Query Match
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muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
                                            0; Gaps
                                                                                                                                                                                                                                                                                                                                                                Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6628.
1.0%; Score 15.4; DB 1; Length 17; 94.1%; Pred. No. 78; 1; Indels ive 0; Mismatches 1; Indels
                                                                               TGCGTCTGCAGAGACA 39
                                                                                                                            1 recerciecaraceaca 17
                                                                                                                                                                                                                                    ABN06636 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                      (first entry)
                                     16; Conservative
                      Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
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                                                                                      23
  Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                muscle;
                                          Matches
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ABN06636

ð 셤 25-MAY-2001; 2001WO-US016981. 26-MAY-2000; 2000US-0207456P. 21-SEP-2000; 2000US-0234687P.

WO200192524-A2

06-DEC-2001.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 protein substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically expectation and/or amount specifically of hGDMLP proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 proteins, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and in vaccines or for replacement therapy. The disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed production of the present sequence and production of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 4 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                          Hanzel DK, Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; SEQ ID NO 6628; 214pp; English.
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                                                                                 30-JAN-2001; 2001W0-US000663.
30-JAN-2001; 2001W0-US000664.
30-JAN-2001; 2001W0-US000665.
30-JAN-2001; 2001W0-US000666.
30-JAN-2001; 2001W0-US000668.
30-JAN-2001; 2001W0-US000669.
30-JAN-2001; 2001W0-US000669.
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                    2000GB-00024263.
2001WO-US000661.
2001WO-US000662.
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                                                                                                                                                                                                                                                                                                                                                             Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-179446/23.
                                                                                                                                                                                                                                                                                                                (AEOM-) AEOMICA INC.
                    04-OCT-2000;
30-JAN-2001;
30-JAN-2001;
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Human, ribozyme, short interfering RNA, siRNA, HER2, K-Ras, enzymatic nucleic acid, H-Ras, N-Ras, HIV, cytostatic, anti-HIV,

anti-rheumatic; cancer; AIDS; ss.

29-MAY-2001; 2001US-0294140P. 06-JUN-2001; 2001US-0296249P. 10-SEP-2001; 2001US-0318471P.

(RIBO-) RIBOZYME PHARM INC.

WPI; 2003-140484/13.

Mcswiggen J;

29-MAY-2002; 2002WO-US016840

WO200297114-A2 Homo sapiens.

05-DEC-2002

Human HER2 DNAzyme substrate #134.

21-MAR-2003 (first entry)

ABZ64677;

ABZ64677 standard; RNA; 17 BP.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specifically of hGDMLP proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as proteins, as the probes for surface-enhanced laser desorption ionisation, as the respectic supplement in patients having specific deficiency in hGDMLP-1 proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   production, and in vaccines or for replacement therapy. The bodynucleotide sequences encoding hGDMLP-1 may be used for disgnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Shannon ME;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.4; DB 1; Length 17;
Pred. No. 78;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Chen W,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 3 A; 4 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Disclosure, SEQ ID NO 6625; 214pp; English
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                                                                                                                                                                                                                                                                                                                                                          30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
                                                                                                                                                                                                                                                                                                                                                                                                                                                30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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94.1%;
                                                                                                                                                       25-MAY-2001; 2001WO-US016981.
                                                                                                                                                                                                                         2000US-0234687P.
2000US-0236359P.
                                                                                                                                                                                                                                                                                          30-JAN-2001; 2001WO-US000661.
30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
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Best Local Similarity 94.13
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2002-179446/23.
                                                                 WO200192524-A2
                         Homo sapiens.
                                                                                                                                                                                                                                              27-SEP-2000;
                                                                                                                                                                                                                                                                   04-OCT-2000;
                                                                                                           06-DEC-2001
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Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.

Claim 4; Page 135; 185pp; English.

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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule immens immunodeficiency virus (HIV) or a component of HIV, and antitrebumatic activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV activity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64944 - ABZ65531, ABZ65220 - ABZ65224, ABZ655310 - ABZ65520 - ABZ65224,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     HIV-1 related binding molecule oligonucleotide sequence SEQ ID NO:375.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Binding molecule, HIV-1, human immunodeficiency virus type 1, reverse transcriptase, binding group, 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 78;
Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 2 A; 4 C; 9 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         668 AGCTCCCGCCGGCCTCC 684
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17 AGCTCCCGCAGGCCTCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ribozymes of the invention
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RESULT 96 ABZ64677/c

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Hepatitis GB virus; HGBV; diagnosis; therapeutic; immunogenic; infection; detection; characterisation; hepatitis; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                          Double stranded hepatitis GB virus (HGBV) DNA obtd. from HGBV infected tamarin plasma, using standard procedures, was used too prepare a lambda phage HGBV cDNA library. cDNA clones rescued from the lambda phage and amplified using the PCR primers AAT00053-66, were searched against a sequence database and found to be unique HGBV sequences. Reagents which comprise the HGBV DNA, or its protein prods. can be used for the diagnosis, therapy or in a vaccine to prevent HGBV infection
                                                                                                                                                                                                                                                            Non-A, non-B, non-C, non-D, non-E Hepatitis virus reagents - useful for diagnosis and therapy of hepatitis GB virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Muerhoff AS, Pilot-Matias TJ, Buijk SL;
JN, Desai SM, Erker JC, Schlauder GG;
                                                                                                                                                                    Pilot-Matias TJ, Dawson GJ, Schlauder GG, Des
Muerhoff AS, Erker JC, Buijk SL, Mushahwar IK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               4; DB 1; Length 20;
1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 2 A; 10 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.0%; Score 15.4; D
94.1%; Pred. No. 1e+0
ive 0; Mismatches
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                 94US-00242654.
94US-00283314.
94US-00344185.
94US-00344190.
95US-00344557.
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94US-00242654.
94US-00283314.
94US-00344185.
94US-00344190.
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   94US-00196030
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(first entry)
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                                                                                                                                                                                                                              WPI; 1995-293123/38.
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                                                                                                                                   ABBO ) ABBOTT LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
nes 16; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      virus
                   13-MAY-1994;
29-JUL-1994;
23-NOV-1994;
23-NOV-1994;
27-JAN-1995;
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29-JUL-1994;
23-NOV-1994;
23-NOV-1994;
14-FEB-1994;
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30-AUG-2000
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                                                                                                                                                                        Simons JN,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Hepatitis GB virus; HGBV; diagnosis; treatment; vaccine; reagents; non-A; non-B; non-C; non-D; non-E; clone; tamarin; infected plasma; lambda phage; cDNA library; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                      Collection of binding groups for determining or typing samples, especially clinical samples, has groups capable to identify essentially all members of the family of nucleic acids of relatively high
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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Pred. No. 94;
0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hepatitis GB virus (HGBV) clone 50 PCR primer.
                                                                                                                                                                                                           (AMST-) AMSTERDAM SUPPORT DIAGNOSTICS BV
                                                                                                                                                                                                                                                  Goudsmit J;
                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Page 98; 166pp; English
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   Human immunodeficiency virus 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                th 1.0%; Similarity 94.1%; 16; Conservative (
                                                                                                                                   20-JUL-2000; 2000EP-00202611
                                                                                                                                                                                                                                                  Loukachov VV, Van Gemen B,
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ID AAT00065 standard; DNA; 20
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Matches 16; Conserv
                                                                                                                                                                                                                                                                                                                                                                                   significance.
                                                          EP1174518-A1
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                                                                                             23-JAN-2002
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                       Synthetic
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                                                                                                                        The present invention describe a method for detecting target hepatitis GB virus (HGBV) nucleic acid (THN) in a test sample (T) suspected of containing HGBV. The method involves reacting (T) with a HGBV polymucleotide probe (I) containing 15 contiguous nucleotides, and which selectively hybridises to the HGBV genome or its full complement, and detecting the complex that contains THN, indicating the presence of target HGBV. The method is used for detecting target HGBV nucleic acid in the test sample suspected of containing HGBV and for characterisation of newly ascertained etiological agent of non-A, non-B, non-C, non-D and non-E hepatitis causing agents collectively termed as hepatitis GB virus. AAAA55270 to AAAA55489 and AAB08985 to AAB09480 represent nucleotide and protein sequences used in the exemplification of the present invention. (Updated on 06-AUG-2003 to correct OS field.)
               Detecting target hepatitis GB virus nucleic acid in a test sample suspected of containing HGBV comprises reacting the test sample the HGBV polynucleotide probe and detecting the complex that contains target HGBV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This sequence represents a PCR primer for DNA encoding the human semaphorin profein, designated DCSema, of the invention. DCSema is used for treating inflammatory diseases. DCSema ligands bind with VESPR to enhance or promote interleukin-12 (IL-12) production which induces an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Semaphorin; DCSema; human; inflammatory disease; VESPR; interleukin-12; IL-12; immune response; aggressive micrometastasising tumour; therapy; immune suppression; autoimmune disorder; semaphorin receptor; immune regulation; viral infection; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 15.4; DB 1; Length 20;
Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCR primer for human semaphorin, DCSema, coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                              Sequence 20 BP; 2 A; 10 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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                                                                                           Example 6; Col 255; 369pp; English
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Matches 16; Conservative
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immune response against aggressive micrometastasising tumours. They are dassociated with immune suppression of mature dendritic cells and therefore can be used for treating autoimmune disorders. They can be employed to measure biological activity of any semaphorin receptor in terms of its binding affinity for semaphorin ligand and also for detecting semaphorin receptor by in vitro assays. Decema polypeptides are used as reagents in quality assurance studies (to monitor shelf life and stability of semaphorin receptor under different conditions). They are also used as a research tool for studying the role of this ligand and its receptor in immune regulation and are also used as carriers for delivering diagnostic or therapeutic agents to cells expressing semaphorin receptor. They are shown to play a role as immune regulators
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a TSP1 (thrombospondin 1) domain-containing polypeptide comprising the proteins appearing as AAU80188 and AAU80189, encoded by cDNAs designated FGO6969 and FGO1896. Also included are proteins that are 50% homologous to the proteins and a polypeptide having at least one deletion, replacement, addition or insertion of amino acid in the proteins and having at least 8 repetitions of the TSP1 domain. The polypeptide can be use in drug compositions particularly for disorders associated with angiogenesis and vaculogenesis. The present sequence is
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TSP1 domain-containing polypeptide useful for drug compositions
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human TSP1 domain containing gene sequencing primer KYO1-A16.
                                                                                                                                                                                                                                                                                                              1.0%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 1e+02; ative 0; Mismatches 1; Indel8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 20;
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Pred. No. 1e+02;
0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      invention
                                                                                                                                                                                                                                                                          Sequence 20 BP; 3 A; 8 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 3 A; 8 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      for the cDNAs of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 2; Page 15; 51pp; Japanese.
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(YOSH ) YOSHITOMI PHARM IND KK.
                                                                                                                                                                                                                                                                                                                                                                                          563 GGCCAGGGCACCTGG 579
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABK70805 standard; DNA; 20 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  08-SEP-2000; 2000JP-00273778.
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                                                                                                                                                                                                                                                                                                                                                                                                                    19 GGTCCAGGGGCACCTGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15-JUL-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                Local Similarity 94.1
les 16; Conservative
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Matches 16; Conserv
                                                                                                                                                                                                                                      in viral infection
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                                                                                                                                                                                                                                                                                                                  Query Match
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Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143023.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         Lemonidis KM;
                                                                                                                                          Location/Qualifiers
1...20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 3; Page 90; 112pp; English.
                                                                                                                                                                                                      OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                184 GAGCIGCIGGATCGGGC 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                                                                                                                                                                                                                              15-JUL-2002; 2002WO-US022746.
                                                                                                                                                                                                                                                                                                                                                                                          30-JUL-2001; 2001US-00918026
                                                                                                                                                                                                      pase=
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Best Local Similarity 94.1
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Graham MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cardiovascular disease
                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-) ISIS PHARM INC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-248145/24.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      with ACAT-2, e.g. a
                                                                                                                                                                                                                                                                                                WO2003011889-A2
                                                                                                                                                       Key
modified_base
                                                                                                                                                                                                                                                                                                                               13-FEB-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Crooke RM,
                                                                                                                          Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to a compound targeted to the coding region of a nucleic acid encoding human dual specific phosphatase 8, where the compound specifically hybridises with the region and inhibits the expression of human dual specific phosphatase 8. The compound is useful for inhibiting the expression of human dual specific phosphatase 8 in cells or tissues, and for treating an animal, particularly a human, suspected of having or being prone to a disease or condition associated with expression of dual specific phosphatase 8. The compound is useful for diagnostics, therapeutics and as a research reagent, e.g. to prevent or delay infection, inflammation or tumour formation, and to distinguish between functions of various members of a biological pathway. This sequence represents an antisense oligonucleotide which inhibits
                                                                                                                                                                                                                                  Human; dual specific phosphatase 8; antisense; infection; inflammation;
tumour formation; cytostatic; antiinflammatory; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New antisense compound targeted to a nucleic acid encoding human dual specific phosphatase 8, for modulating gene expression and treating diseases associated with expression of the phosphatase in humans.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                      Human dual specific phosphatase 8 DNA antisense oligonucleotide #8.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 5 A; 7 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. 1e+02;
0; Mismatches
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87
                                                                                                           BP
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                                                                                                                                                                                                                                                                                                                                                                                             01-AUG-2001; 2001US-00920668.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 94.18;
                 20 CCTGTGGAGGTGGAAAC
CCTGTGGAGATGGAAAC
                                                                                                         ABX10774 standard; DNA; 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACC42435 standard; DNA; 20
                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-298140/29
                                                                                                                                                                                                                                                                                   Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                            19-NOV-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cowsert LM;
                                                                                                                                                                                                                                                                                                   Synthetic.
71
                                                                                                                                        ABX10774;
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Matches
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ö The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACAT-2) mucleotide sequence (ACG42409-ACG4231), and mouse ACAT-2 (ACC42432-ACG42457). The antisense oligonucleotides specifically hybridise with and inhibit the expression of ACAT-2 nucleotide sequences (ACC42395 and ACC42402). ACAT enzymes catalyse the synthesis of cholesterol esters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings) condition involving abnormal cholesterol metabolism, atherosclerosis, or Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease; phosphorothioate; mouse; ss. New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease. Gaps Chimeric phosphorothioate oligonucleotide to target Navl.3 #1249. ö 1.0%; Score 15.4; DB 1; Length 20; 94.1%; Pred. No. 1e+02; ive 0; Mismatches 1; Indels

53

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Matches
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ADK74198
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                                                                                                                                                                                                                                                                                                            The present invention relates to an antisense compound targeted to a nucleic acid molecule encoding Navl.3, where the antisense compound specifically hybridizes with and inhibits the axpression of Navl.3; The compound and composition are useful for treating a disease or condition associated with Navl.3, e.g. pain including but not limited to neuropathic pain, post-herpetic neuragia, chronic pain, lower back pain, diabetic neuropathy, trigeminal neuropathy, archritic pain, acute pain, control of about not limited to an associated with a chidhood seizure disorder auch as childhood seizure disorder; including but not limited to neonatal or infantile epilepsy; or ataxia. The present sequence represents a chimeric phosphorothicate oligonuclectide with camen Navl.3 expression, the oligonuclectides are designed to target chimman Navl.3 expression, the oligonuclectides are designed to target clifferent regions of the human Navl.3 RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                  New antisense compound targeted to a nucleic acid molecule encoding Nav1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.
         Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Chimeric phosphorothioate oligonucleotide to target Nav1.3 #1461.
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Mismatches
                                                                                                                                                                                                                                                                                           Claim 4; SEQ ID NO 1249; 417pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       412
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                                                                                                                                             14-AUG-2002; 2002US-0403416P
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                                                                                                                                                                   (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                WPI; 2004-203785/19.
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Best Local Similarity
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                                                                             WO2004016754-A2
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                                                       Synthetic.
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Matches
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                                                                                                                                                                                                                                                                                                                    New antisense compound targeted to a nucleic acid molecule encoding Nav1.3, useful for useful for treating a disease or condition associated with Nav1.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 6 A; 5 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 4; SEQ ID NO 1461; 417pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              396 TGTCTTCATCAGCA 412
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            .4-AUG-2003; 2003WO-US025465.
14-AUG-2003; 2003WO-US025465.
                                                                 14-AUG-2002; 2002US-0403416P.
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                                                                                                                         (PHAA ) PHARMACIA CORP
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                                                                                                                                                                                              Roberds SL;
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nucleic acid molecule encoding Navi.3, where the antisense compound specifically hybridizes with and inhibits the expression of Navi.3. The compound and composition are useful for treating a disease or condition associated with Navi.3, e.g. pain including but not limited to neuropathic pain, post-herpetic neuralgia, chronic pain, lower back pain, pain from burns, migrainal neuropathy arthritic pain, lower back pain, pain from burns, migraine headache, cluster headache, mild-to-moderate headache; seizure disorder such as childhood seizure disorder; including but not limited to neonatal or infantile epilepsy; or ataxia. The present sequence represents a chimeric phosphorothicate oligonucleotide with 2,MOE wings and a deoxy gap. Used during the antisense inhibition of human Navi.3 expression, the oligonucleotides are designed to target Navi.3, useful for useful for treating a disease or condition associated with Navi.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia. New antisense compound targeted to a nucleic acid molecule encoding invention relates to an antisense compound targeted to Claim 4; SEQ ID NO 1532; 417pp; English 

Sequence 20 BP; 6 A; 4 C; 4 G; 6 T; 0 U; 0 Other;

Gaps ö Score 15.4; DB 1; Length 20; Pred. No. 1e+02; 1; Indels Mismatches ö 94.18; 1.0%; 16; Conservative Query Match Best Local Similarity Matches

; 0

412 1 TGTGTTCATCACCA 17 396 TGTCTTCATCAGCA 원 ઠ

ADK73666 standard; DNA; 20 ADK73666; RESULT 107 ADK73666

ВР

(first entry) 20-MAY-2004 

Chimeric phosphorothioate oligonucleotide to target Nav1.3 #1000

Navl.3; Analgesic; Nootropic; Neuroprotective; post-herpetic neuralgia; diabetic neuropathy; arthritic pain; migraine headache; infantile epilepsy; ataxia; ss.

Synthetic

26-FEB-2004

WO2004016754-A2.

14-AUG-2003; 2003WO-US025465.

14-AUG-2002; 2002US-0403416P.

(PHAA ) PHARMACIA CORP

Roberds SL;

WPI; 2004-203785/19.

wew antisense compound targeted to a nucleic acid molecule encoding Navl.3, useful for useful for treating a disease or condition associated with Navl.3, e.g. pain, seizure disorder such as childhood seizure disorder, or ataxia.

Claim 4; SEQ ID NO 1000; 417pp; English.

The present invention relates to an antisense compound targeted to a nucleic acid molecule encoding Navl.3, where the antisense compound specifically hybridizes with and inhibits the expression of Navl.3. The

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                   associated with Nav1.3, e.g. pain including but not limited to neuropathic pain, post-herpetic neuralgia, chronic pain, lower back pain, alabetic neuropathy, tripeminal neuropathy, arthritic pain, acute pain, pain from burns, migraine headache, cluster headache, mild-to-moderate headache; seizure disorder such as childhood seizure disorder, including but not limited to neonatal or infantile epilepsy; or ataxia. The present sequence represents a chimeric phosphorothioate oligonucleotide with 2'MOB wings and a deoxy gap. Used during the antisense inhibition of human Nav1.3 expression, the oligonucleotides are designed to target
compound and composition are useful for treating a disease or condition
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       peroxisome proliferator activated receptor alpha; PPAR-alpha modulator; PPAR-alpha associated disorder; hyperproliferative disorder; human; antisense oligonucleotide; antisense technology; ss.
                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New oligonucleotide compound that inhibits expression of PPAR-alpha, useful for preparing a composition for treating hyperproliferative disorders, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                       1.0%; Score 15.4; DB 1; Length 20;
                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PPAR-alpha antisense oligonucleotide seqid 89
                                                                                                                                                                                                                                                                                                                                  1;
                                                                                                                                                                                                                                                 Seguence 20 BP; 4 A; 5 C; 4 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                             Pred. No. 1e+02;
0; Mismatches
                                                                                                                                                                                                      different regions of the human Nav1.3 RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 15, SEQ ID NO 89, 121pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytostatic; gene therapy; PPAR-alpha;
                                                                                                                                                                                                                                                                                                                                                                           396 IGICTICATCATCAGCA 412
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                                                                                                                                                                                                                                                                                                             94.1%;
                                                                                                                                                                                                                                                                                                                                                                                                  ADP68653 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       09-SEP-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                  16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2004-449378/42.
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                                                                                                                                                                                                                                                                                                             Best Local Similarity
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                                                                                                                                                                                                                                                                                          Query Match
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gibbs026-3.rng

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K-ras mutated in the twelfth codon at position 2 antisense primer.
                                                                                        WO9640995-A1
                                                                                                                            3-JUN-1996;
                                                                                                                                               07-JUN-1995;
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                                                                                                                                                                                  Sorenson GD;
                                                                       Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAV69513;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Matches
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222255
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Primers (AAQ50885-94) are used to amplify position 1 and 2 mutations at codon 12 of the k-ras gene. Primers (AAQ50885-89) are used to amplify position 1 mutation, while primers (AAQ50890-94) are used for the position 2 mutation. Primers (AAQ50895-04) can be used in ligase chain reactions, also used to detect the k-ras gene. (Updated on 25-MAR-2003 correct PN field.)
                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                     Mutation; primer; detection; amplification; k-ras; cancer; oncogene; mutation; LCR; ligase chain reaction; ss.
                                                                                                                                                                                                                                                                                                                                                                                                 Method for detecting mutated genes or oncogene(s) in samples - by denaturation and polymerase chain reaction amplification.
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                                 Score 15.4; DB 1; Length 20;
Pred. No. 1e+02;
0; Mismatches 1; Indels
                 Sequence 20 BP; 2 A; 7 C; 8 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 20 BP; 4 A; 2 C; 8 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure, Page 15; 44pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   361 CGCACCATCTACCACATGTT 380
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                                                                     935 GCTTCATCCTGGGCGG 951
                                                                                         18
                                                                                                                                      BP.
                                                                                                                                                                                                                                                                                                       93WO-US003561,
                                                                                                                                                                                                                                                                                                                          92US-00874845
                                  Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
                                                                                        2 gérréadectadecede
                                                                                                                                     AAQ50904 standard; DNA; 20
                                                                                                                                                                         (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       01-SEP-1997 (first entry)
                                                                                                                                                                                                                                                                                                                                           (DART-) DARTMOUTH COLLEGE
                                                                                                                                                                                                                                                                                                                                                                              WPI; 1993-368814/46.
                                                                                                                                                                                                     K-ras LCR primer.
                                                                                                                                                                                                                                                                    WO9322456-A1
                                                                                                                                                                                                                                                                                                      14-APR-1993;
                                                                                                                                                                                                                                                                                                                         27-APR-1992;
                                                                                                                                                                         25-MAR-2003
20-MAY-1994
                                                                                                                                                                                                                                                                                     11-NOV-1993.
                                                                                                                                                                                                                                                                                                                                                              Sorenson GD;
                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                        AAQ50904;
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AAT58120/c
1D AAT58115
XX
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DT 01-SEP.
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Matches
                                                                                                                    RESULT 109
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A method of detecting a mutant allele has been produced which involves; extracting DNA from a biological sample containing soluble DNA including a mutant allele of interest; contacting the DNA with a peptide nucleic acid (PNA) which is complementary to a segment of the DNA; amplifying the mutant allele in an allele-specific manner using at least a first set of allele-specific primars containing one primer complementary to a mutation-containing fragment of a first strand of the DNA and a first common primer for pairing during amplification to each allele-specific primer where the common primer is complementary to a segment of a second strand of the DNA distant with respect to the position of the first primer; and detecting the presence of the mutant allele. The present compared to the detection of mutated K-ras gene sequences in biological fluid where the mutation is present in the twelfth codon at position 2. The method is used to detect and also quantify soluble gene sequences especially in whole blood, plasma or serum, but also in utine, squeum, colonic effluent, fluid from endoscopic retrograde
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cholangeopancreatography, bone marrow, lymph and cerebrospinal fluid. The amount of soluble DNA is known to increase markedly in individuals with cancer and some other diseases, especially individuals with mutated K-ras alleles. Using a PNA complementary to the wild-type DNA blocks access of the primers to the wild-type sequences. This results in a significant decrease in false positives and allows for detection of mutant alleles in the presence of a 100000-fold excess of wild-type DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Detecting and quantifying mutant alleles in soluble DNA, esp. from blood - by amplification using peptide nucleic acid primer and allele-specific primer sets, useful for detecting e.g. cancer.
Mutant alleles; cancer; whole blood; plasma; serum; urine; sputum; colonic effluent; endoscopic retrograde cholangeopancreatography; bone marrow; lymph fluid; cerebrospinal fluid; ligase chain reaction; polymerase chain reaction; ss.
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                       Type I polyketide synthase; soil; lichen; antibiotic biosynthesis; humus; therapeutic; immunosuppressor; antitumour agent; pathogen; genetic diversity; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                             This sequence is a PCR primer used to amplify a Type I polyketide synthase from soil/lichen material. This protein is used in a method for the recovery of antibiotic biosynthetic DNA from humic materials or lichen. The PCR products have the potential to be used as therapeutic molecules including antibiotics, immunosuppressors and antitumour agents. The method allows access to the reservoir of genetic diversity in soil pathogenic micro-organisms, in order to find new antibiotics. It also allows access to novel biosynthetic genes/enzymes that can be used to produce antibiotics or produce specific compounds, enzymatically, in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Respiratory disease; pneumonia; bronchitis; heart disease; sarcoidosis; sinusitis; purulent otitis media; erythema nodosum; pharyngitis; vaccine; neutralising epitope; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                        New degenerate primers - used for recovering antibiotic biosynthetic {\tt DNA} from {\tt soil/lichen} material.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.2; DB 1; Length 20;
Pred. No. 1.1e+02;
3; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 20 BP; 2 A; 8 C; 6 G; 1 T; 0 U; 3 Other;
Type I polyketide synthase PCR primer #1.
                                                                                                                                                                                                                                                                  Seow KT;
                                                                                                                                                                                                                                                                                                                                                                      Claim 3; Page 18; 98pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       GCGCGCTGCCGGTCCACG 652
                                                                                                                                                                                                                                     (TERR-) TERRAGEN DIVERSITY INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20 GCGCGCTGCGGGTCSAYS 3
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                                                                                                                                                                            98WO-CA000488
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les 14; Conservative
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                                                                                                                                                                                                                                                                                             WPI; 1999-070158/06
                                                                                                                 WO9853097-A2
                                                                                                                                                                            21-MAY-1998;
                                                                                                                                                                                                         22-MAY-1997;
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                                                                                                                                                                                                                                                                   Waters B,
                                                                                      Synthetic
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Best Local S
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                                                                                                                                                                        AAX91991-X97517 represent PCR primers used to amplify open reading frames and other nucleic acid sequences from the genome of Chlamydia pneumoniae causes respiratory disease such as pneumonia and bronchitis and is thought to be a contributing factor in heart disease, sarcoidosis, sinusitis, purulent otitis media, erythema nodosum or pharyngitis. The polypeptides encoded by the open reading frames of the C. pneumoniae genome (see AAY34884- AAY35879) can be used in immunogenic compositions as vaccines. Vectors containing C. pneumoniae especially where the vector directs the expression of a neutralising epitope of C. pneumoniae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Preventive or treating agent for the diseases caused by an abnormality in the Fas/Fas ligand system e.g. autoimmune diseases, contains anti-Fas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Anti-Fas antibody; monoclonal antibody HFB7A; FERM-BP-5828; murine; humanised antibody; complementarity determining region; CDR; human Fas; Fas ligand; apoptosis modulator; programmed cell death; autoimmune disease; allergy; atopy; arteriosclerosis; myocarditis; cardiomyopathy; glomerulonephritis; aplastic anaemia; panmyelophthisis; hepatitis; AIDS; graft rejection; heavy chain; sequencing primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Humanised anti-Fas antibody heavy chain primer, SEQ ID NO:94.
                                                                                                                                                                                                                                                                                                                                                                                    Score 15.2; DB 1; Length 20;
Pred. No. 1.1e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 3 A; 6 C; 5 G; 6 T; 0 U; 0 Other;
                                                                                                                    Genome sequence of Chlamydia pneumoniae.
                                                                                                                                                  Page 1742; Disclosure; 1912pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                   502 GTGACCTGGGTGCCCATGTT 521
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98US-0107078P.
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Best Local Similarity 85.v.
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                                                                                       WPI; 1999-357842/30.
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                            (GEST ) GENSET
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04-NOV-1998;
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Chimeric.
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24-NOV-2000
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                                                         Griffais R;
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AAA72164/c
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Matches
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                                            The invention relates to compositions for the prevention or treatment or diseases caused by an abnormality in the Fas/Fas ligand system containing an anti-Fas antibody as the active component. The anti-Fas antibody is either the murine anti-human Fas monoclonal antibody HFETA, or a humanised version of HFETA containing identical CDRs (complementarity determining regions) to antibody HFETA. Via its interaction with Fas, the antibody of the invention acts as a modulator of apoptosis. The compositions of the invention may therefore be used in the treatment or prevention of conditions such as untoimmune diseases, allergy, atopy, arteriosclerosis, myocarditis, cardiomyopathy, glomerulonephritis, apparent enemia (panmyelophthisis), hepatitis, AIDS and organ graft rejection. The present sequence represents a humanised HFETA-derived antites antibody heavy chain sequencing primer used in an exemplification of the invention. (Updated on 15-SEP-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Preventive or treating agent for the diseases caused by an abnormality in the Fas/Fas ligand system e.g. autoimmune diseases, contains anti-Fas antibody.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 humanised antibody; complementarity determining region; CDR; human Fas; Fas ligand; apoptosis modulator; programmed cell death; autoimmune disease; allergy; atopy; arteriosclerosis; myocarditis; cardiomyopathy; glomerulonephritis; aplastic anaemia; panmyelophthisis; hepatitis; AIDS; graft rejection; heavy chain; sequencing primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                Seguence 20 BP; 5 A; 0 C; 11 G; 4 T; 0 U; 0 Other;
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             Example 15; Page 49; 139pp; Japanese
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Chimeric.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       30-SEP-1998;
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24-NOV-2000
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                                                                                     arteriosclerosis, myocarditis, cardiomyopathy, glomerulonephritis, aplastic anaemia (panmyelophthisis), hepatitis, AIDS and organ graft rejection. The present sequence represente a humanised HFB7A-derived anti-Fas antibody heavy chain sequencing primer used in an exemplification of the invention. (Updated on 15-SEP-2003 to standardise OS field)
determining regions) to antibody HFE7A. Via its interaction with Fas, the
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                   antibody of the invention acts as a modulator of apoptosis. The compositions of the invention may therefore be used in the treatment prevention of conditions such as autoimmune diseases, allergy, atopy,
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                                                                                                                                                                                                                                                                            1.0%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.1e+02;
Live 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Humanised HFE7A designed heavy chain DNA primer #5.
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                                                                                                                                                                                                                                                                                                                                                                           819 CTTCCTCTTCTGCCCAACAC 838
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAA11602 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                            17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Serizawa N, Haruyama H,
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                                                                                                                                                                                                                                                                                                    Best Local Similarity
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                                                                                                                                                                                                                                                                                 Query Match
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antiartheumatic, nephrotropic, antiinfertility, neuroprotective, antiartheumatic, nephrotropic, antiinfertility, neuroprotective, antiarteriosclerotic, cardiant and hepatropic activity. (I) induce apoptosis by binding to cell surface Fas or inhibit it by competitive inhibition of ligand binding. (I) are used to treat and/or prevent diseases associated with the Fas/Fas ligand system, especially systemic diseases associated with the Fas/Fas ligand system, especially systemic commia, Addison's disease, Slorgen's syndroderma, Goodpasture syndrome, Crohn's anemia, Addison's disease, cleroderma, Goodpasture syndrome, Crohn's cancina, Addison's disease, thrombopenia purpura, insulin dependent diabetes mellitus, alleray, arteriosclerosis, myocarditis, cardiomyopathy, glomerulonephritis, hepatitis (fulminant, chronic, viral CB, Cor D) or alcoholic), and transplant rejection. (I) selectively induce it in abnormal cells inhibit apoptosis in normal cells but selectively induce it in abnormal cells. They bind to both human and murine Fas, so can be evaluated in the native ligand, do not induce liver disease, and have reduced risk of inducing a human anti-murine antisease, and have reduced risk of primer used in the construction of a humanised anti-rease. ö Fas; antibody; human; anti-inflammatory; anti-anemic; antidiabetic; dernatological; anti-arthritic; antiviral; immunomodulatory; cardiant; dermatological; immunosuppressive; thyromimetic; antirheumatic; anti-fream nephrotropic; antiinfertility; neuroprotective; antiarteriosolerotic; humanized; apoptosis; systemic lupus erythematosus; Hashimoto disease; rheumatoid arthritis; graft versus host disease; Sjorgen's syndrome; anemia; Addison's disease; scleroderma; sterility; Goodpasture syndrome; Crohn's disease; sterility; myasthenia gravis; multiple sclerosis; Basedow's disease; thrombopenia purpura; allergy; insulin dependent diabetes mellitus; arteriosolerosis; myocarditis; cardiomyopathy; glomerulonephritis; hepatitis; transplant rejection; Gaps immunomodulatory, dermatological, immunosuppressive, thyromimetic, designed heavy chain which is used in the method described in the .. Score 15.2; DB 1; Length 20; Pred. No. 1.1e+02; 3; Indels Humanised HFE7A designed heavy chain DNA primer #9. Sequence 20 BP; 5 A; 0 C; 11 G; 4 T; 0 U; 0 Other; / Match 1.0%; Score 15.2; DB Local Similarity 85.0%; Pred. No. 1.1e+nes 17; Conservative 0; Mismatches 819 CTTCCTCTTCTGCCCAACAC 838 20 crrccrcrrccccccaaaac 1 AAA11606 standard; DNA; 20 BP 08-AUG-2000 (first entry) primer; ss Synthetic. AAA11606; Best Loca Matches ઠ 셤 

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immunomodulatory, dermatological, amunomoguressive, thyromimetto, antirheumatic, nephrotropic, antinfertility, neuroprotective, antirheumatic, nephrotropic, antinfertility, neuroprotective, antirheumatic, nephrotropic, antinfertility, neuroprotective, antianteriosclerofic, cardiant and hepatropic activity. (I) induce apoptosis by binding to call surface Fas or inhibit it by competitive inhibition of ligand binding. (I) are used to treat and/or prevent disease associated with the Fas/Fas ligand system, especially systemic disease associated with the Fas/Fas ligand system, especially systemic lupus erythematosus, Hashimoto disease, rheumatoid arthritis, graft versus host disease, soleroderma, Goodpasture syndrome, Crohn's anemia, Addison's disease, scleroderma, Goodpasture syndrome, Crohn's disease, autoimmune hemolytic anemia, sterility, mysathenia gravis, multiple sclerosis, Basedow's disease, trocmbopenia purpura, insulin dependent diabetes mellitus, allergy, arteriosclerosis, myocarditis, cardiomyopathy, glomerulonephritis, hepatitis (fulminant, chronic, viral (B, C or D) or alcoholic), and transplant rejection. (I) selectively inhibit apoptosis in normal cells but selectively induce it in abnormal cells. They bind to both human and murine Fas, so can be evaluated in murine disease models. (I) act on the active site of Fas, i.e. they mimic the native ligand, do not induce liver disease, and have reduced risk of inducing a human anti-murine entisease, and have reduced risk of inducing a human anti-murine antisease, and have reduced risk of inducing a human anti-murine antibody response. This sequence
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                                                                                                                                                                                                 molecule (I) that, induces apoptosis in cells with an abnormal Fas/Fas ligand system, by binding to Fas on the cell surface, and prevents apoptosis in cells with a normal system, by inhibiting binding between Fas and its ligand. The products of the invention have anti-inflammatory, anti-anemic, antidiabetic, anti-allergic, anti-arthritic, antiviral,
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                     New humanized anti-Fas antibody, useful for treating or preventing e.g. inflammatory or autoimmune disease, induces apoptosis selectively in cells with abnormal Fas-Fas ligand systems.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           primer used in the construction of a humanised anti-Fas antibody HFE7A designed heavy chain which is used in the method described in the
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                                                                                                                                                                         This invention describes a novel humanized anti-Fas antibody-like
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                                                                                                                        Example reference 15; Page 138; 263pp; English.
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AAF73008/c
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(ISIS-) ISIS PHARM INC.

Nakahara K, Tamaki I, Takahashi T;

Serizawa N, Haruyama H, SANY ) SANKYO CO LTD

WPI; 2000-258930/23

99EP-00307711. 98JP-00276881. 98JP-00276882.

39-SEP-1999; 30-SEP-1998; 30-SEP-1998;

05-APR-2000

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The present invention describes an antisense compound (I) up to 30 nucleobases in length, where (I) inhibits expression of daxx (also known as Fas binding protein, dapf for death associated protein, and EAP for Ets-1 associated protein). (I) has cytostatic and antiinflammatory activity, and can be used in antisense therapy and as a modulator of daxx. (I) is useful for inhibiting the expression of daxx in therapeutics for the treatment of diseases associated with the expression of daxx in therapeutics for the treatment of diseases associated with the expression of daxx prophylaxis e.g. to prevent or delay infection, inflammation or tumour formation and as research reagent. The present sequence represents an inhibitory human daxx antisense phosphorothioate oligonucleotide which
                                                                            Novel antisense compounds capable of modulating expression of daxx useful for diagnosis, prophylaxis and treatment of diseases associated with expression of daxx.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel vaccine for treating cancer, especially prostate cancer, comprises immunogenic component which includes peptide mixture extracted from malignant cells which have altered immunogenicity.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                         is used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human prostate-specific antigen PSA PCR primer #3.
                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 20 BP; 8 A; 6 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PCR primer; cytostatic; vaccine; cancer; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chana H,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                prostate-specific antigen; PSA; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1275 TGTGTTCCTGGTCTCCGCAG 1294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Stevenson D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20 TGTGTTTCTGGCCTCTGCAG 1
                                                                                                                                                  Claim 1; Col 47; 59pp; English.
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99GB-00011825.
2000GB-00008029.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Smith P,
                                               WPI; 2001-217744/22
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21-MAY-1999;
01-APR-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-MAY-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAC89142;
             Dean NM,
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Thraves P;

Example, Page 14, 39pp, English

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             The present invention relates to a cancer vaccine. The cancer vaccine has an immunogenic component which includes a peptide mixture extracted from malignant cells which have an altered immunogenicity. The cancer vaccine is useful for treating cancer, preferably prostate cancer. The present sequence is a PCR primer, which was used to amplify human prostate specific antigen (PSA) DNA, for use in the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Vaccine, cytostatic, virucidal, bactericidal, fungicidal, anti-parasitic, immunostimulatory, tumour; viral infection; bacterial infection; fungal infection; parasitic infection; cancer, asthma; infections disease; allergy, immune deficiency; phosphorothioate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Vaccinating against tumors, infectious diseases, allergies and asthma using immunostimulatory Py-rich and TG nucleic acids.
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                                                                                                                                                                                    Length 20;
                                                                                                                                                                                                                      3; Indels
                                                                                                                                             Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                              Score 15.2; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Immunostimulatory nucleic acid #435.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 101; Page 47; 338pp; English
                                                                                                                                                                                                                                                             1451 GCCAGGGAATCCAGGTCAGC 1470
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                                                                                                                                                                                                                                                                                                20
                                                                                                                                                                                                                                                                                                  GCCAGGTATTTCAGGTCAGC
                                                                                                                                                                                                                                                                                                                                                                                           AAF99319 standard; DNA; 20 BP
                                                                                                                                                                                    1.0%;
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27-SEP-1999; 99US-0156135P.
23-AUG-2000; 2000US-0227436P.
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                                                                                                                                                                                                                      17; Conservative
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(COLE-) COLEY PHARM GMBH
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                                                                                                                                                                                      Query Match
Best Local Similarity
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Query Match

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AAC89563;

RESULT 120

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Antisense gene therapy; RAIDD; death domain; caspase recruitment domain; CARD; hyperproliferative disorder; cancer; growth disorder; mouse; metabolic disorder; infection; inflammation; tunour formation; RIP associated ICH-1/CED-3-homologous protein with death domain; receptor interacting protein; antisense oligonucleotide; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                            Novel antisense compound that hybridizes and inhibits nucleic acid encoding RAIDD which is an adaptor molecule containing both death domain and caspase recruitment domains, for treating hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Angiogenesis inhibitor; ss; angiogenesis; solid tumour growth;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; tive 0; Mismatches 3; Indel8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Angiogenesis inhibitory oligonucleotide #448.
                                   Mouse RAIDD antisense oligonucleotide #43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1466 TCAGCCTGTACTGCCAGGAG 1485
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 3; Page 95; 144pp; English.
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                                                                                                                                                                                                                                                                29-OCT-2001; 2001WO-US050914.
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 21-OCT-2002 (first entry)
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Best Local Similarity 85.0'
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                                                                                                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                               Zhang H, Freier SM,
                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2002-583496/62.
                                                                                                                                                                                               WO200248314-A2
                                                                                                                                                                  Mus musculus.
                                                                                                                                                                                                                                20-JUN-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes a whole cancer cell vaccine produced in a Dan allogravity culture alongside a co-culture of non-mailgnant cells. The cancer cell vaccine can be used as an immunotherapeutic agent in the treatment of cancers, particularly prostate cancer. The present sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel vaccines for use as immunotherapeutic agents in the treatment of cancer, in particular prostate cancer, comprises immunogenic component comprising co-cultured malignant and non-malignant cells.
                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    treatment of cancers, particularly prostate cancer. The present is a PCR primer used to demonstrate the vaccine of the invention
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                              1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ative 0; Mismatches 3; Indels
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85.0%; Pred. No. 1.1e+02;
rative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                              Pumour antigen; vaccine; immunotherapeutic agent; cancer;
Sequence 20 BP; 3 A; 6 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 4 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Thraves P;
                                                                                                                                                                                                                                                                                                                                                           3D microgravity culture; PCR primer; ss
                                                                                               1461 CCAGGTCAGCCTGTACTGCC 1480
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                                                                                                                                                                                                                                                                                                          Tumour antigen PCR primer PSAINTF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chana H,
                                                                                                                     20 CCCGGTGAGCCTGCACTGCC 1
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                                                                                                                                                                                                               BP.
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21-MAY-1999; 99GB-00011824.
01-APR-2000; 2000GB-00008029.
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                                                                                                                                                                                                                                                                             (first entry)
                                                              Matches 17; Conservative
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                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (ONYV-) ONYVAX LTD. (SUTI/) SUTION A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                          WO200071155-A2
                                                                                                                                                                                                                                                                                                                                                                                            Unidentified.
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21-MAY-1999;
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Smith P,

Query Match

Matches

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RESULT 121

**ABK99789** 

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Gaps

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                                                                                                                                                                                                                                                                                                                                                                                                                                             Inhibiting angiogenesis in a subject, involves administering at least one antiangiogenic nucleic acid molecule to the subject.
 metastasis; precancerous lesion; rheumatoid arthritis; psoriasis;
                   diabetic retinopathy, retinopathy of prematurity, macular degeneration;
corneal graft rejection; neovascular glaucoma; retrolental fibroplasia;
                                                  rubeosis; Osler-Webber Syndrome; myocardial angiogenesis; plaque neovascularisation; telangiectasia; heemophiliac joint; angiofibroma; wound granularion; intestinal adhesion; atherosclerosis; scleroderma; hypertrophic scar.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 20 BP; 3 A; 6 C; 9 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 2; Page 27; 276pp; English
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ID ABL39004 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                 COLE-) COLEY PHARM GROUP INC
                                                                                                                                                                                                                                                          14-DEC-2001; 2001WO-US048458.
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Matches 17, Conservative
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                                                                                                                                                                                                                   11-JUL-2002
                                                                                                                                                Synthetic
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of cell surface antigens and antibodies. The methods are useful for treating or preventing cancer such as basal cell carcinoma, bladder cancer, brain and central nervous system (CNS) cancer, breast cancer, brain and central nervous system (CNS) cancer, breast cancer, colon and rectum cancer, connective tissue cancer, cesophageal cancer, lung cancer, kidney cancer, larynx cancer, leukaemia, liver cancer, lung cancer, Hodgkin's lymphoma, non-Hodgkin's lymphoma, melanoma, myeloma, oral cavity cancer, ovarian cancer, pancreatic cancer, prosetate cancer, rhabdomyosarcoma, skin cancer, stomach cancer, testicular cancer, rhabdomyosarcoma, skin cancer, stomach cancer, testicular cancer, and uterine cancer. The present sequence is an immunostimulatory oligonucleotide described in the exemplification of the invention
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                                                                                                                                                                                                                                                                                                                    The present invention relates to methods for treating or preventing cancer, involving administering to a subject having or at risk of developing cancer immunostimulatory nucleic acids that induce expression
                                                                                                                                                                                          Treating or preventing cancer, such as basal cell carcinoma, comprises administering immunostimulatory nucleic acids that induce expression of cell surface antigens and antibodies to a subject having or at risk of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human; androgen receptor complex-associated protein; ARCAP; primer; ss; androgen receptor; AR; cancer; liver tumour; cytostatic; PCR; transferrin.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 3 A; 6 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human transferrin gene PCR primer Tref8
                                                                                                                                                                                                                                                                                   Disclosure; Page 198; 312pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1461 CCAGGTCAGCCTGTACTGCC 1480
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                  22-JUN-2001; 2001WO-US020154.
                                                   22-JUN-2000; 2000US-0213346P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16-JAN-2002; 2002EP-00250305.
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12-FEB-2001; 2001US-00781693.
                                                                                    (IOWA ) UNIV IOWA RES FOUND
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                                                                                                                         Weiner G, Hartmann G;
                                                                                                                                                           WPI; 2002-154611/20.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                                                                                                                                                                                                  developing cancer
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                25-NOV-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABS53854;
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Matches
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the activity of the androgen receptor, transactivating the androgen

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                                                                                                                                          The invention relates to an androgen receptor complex-associated protein (ARCAP) sequence and the cDNA encoding it. The protein is useful for screening a compound that decreases AR-mediated (androgen receptor mediated) transactivation which involves contacting the ARCAP protein with a protein complex comprising an AR in the presence of a candidate compound, measuring the extent of binding between the polypeptide, and determining if the extent of binding is less than the extent of binding between the polypeptide and the protein complex in the absence of the candidate compound. The ARCAP DNA is useful for determining if a sample contains cancerous cells which involves providing a sample from a human patient and detecting ARCAP expression in the sample. The sequences are useful for determining whether a sample contains liver tumour cells. This sequence represents a human transferrin gene PCR primer used in a test
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; androgen receptor complex-coupled protein; ARCAP; PCR; primer; ss.
                                Novel substantially pure androgen receptor (AR) complex-associated protein which binds to AR and increases ability of AR to transactivate androgen-responsive gene, useful as drug target for treating liver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                of AR to transactivate
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 8 A; 3 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human ARCAP associated PCR primer Tref8.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                963 TGTCTTTGCCAACATGAGCC 982
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                                                                                                                  Example; Page 10; 26pp; English
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Matches 17; Conservative
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WPI; 2002-676576/73
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                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match
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responsing gene. The invention also describes a a vector containing the ARCAP polyvaucleotide sequence, and a host cell containing the ARCAP polyvaucleotide sequence. The ARCAP polypeptide can be used as a treating agent. The present sequence represents a PCR primer used in the example
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                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human; mouse; Fas/Fas ligand system; Fas; antibody; light chain; heavy chain; apoptosis; antiallergic; immunosuppressive; apoptotic; autoimmune disease; allergy; atopy; PCR primer; ss.
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85.0%; Pred. No. 1.1e+02;
ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                             Length 20;
                                                                                                                                                                                                                                                                                                    Query Match
1.0%; Score 15.2; DB 1; Length 2
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 14 (preparatory); Page 32; 154pp; Japanese.
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                                                                                                                                                                                                                                    Sequence 20 BP; 8 A; 3 C; 5 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drug for preventing or treating e.g. a comprises humanized anti-Fas antibody.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     963 TGTCTTTGCCAACATGAGCC 982
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CTTCCTCTTCTGCCCAACAC 838
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ABL48724 standard; DNA; 20
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                                                                                                                                                            of the present invention
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Matches
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ID ABL41

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RESULT 127

The present invention relates to the isolation of human androgen receptor complex-coupled protein (ARCAP), and the polynucleotide sequence encoding it. The ARCAP polypeptide complexes with an androgen receptor to increase

ABL48728 ID ABL4

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The present invention describes a method of arraying genome clones. The method comprises: (a) clones of the genomic libraries contained in multiwell plates numbered for discrimination are mixed in each of the multiwell plates numbered for discrimination are mixed on each of the multiwell plates; (b) a primer designed based on the chromosome marker sequence is added to the mixture to carry out an amplification reaction; (c) a signal corresponding to the marker is detected from the resultant amplified product to specify the discrimination Nos. of the multiwell plates containing the clones having said marker sequence; (d) the order of the maximum in the specified discrimination Nos. to array the multiwell plates; (e) the clones in the multiwell plates of the specified discrimination Nos. are mixed respectively in each wells of longitudinal discrimination Nos. are mixed respectively in each wells of longitudinal critaria directions; (f) the mixed clones are cultured and the resultant cultures are amplified by using the above primer; (g) signals are detected from the amplified broducts; (h) the clones in the multiwell plates are specified from the amplified products; (h) the clones are content are applified by using the above primer; (g) and plates are specified from the detected result; and (i) the clones are
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           reconstituted as the positions on the chromosome and arrayed. The microarray is useful for gene analysis. ABL42957 to ABL45322 represent PCR primers for human chromosome 1936-35 DNA, and ABL45323 to ABL45634 represent PCR primers for human chromosome 21922.1, which are specifically claimed for use in the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mycobacterium tuberculosis-specific DNA sequence #27.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.0%; Score 15.2; DB 1;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                                                                                 Claim 6; Page 52; 528pp; Japanese.
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ID ABT12924 standard; DNA; 20 BP.
                       10-MAR-2000; 2000JP-00066716.
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                                                                       (RIKA ) RIKAGAKU KENKYUSHO.
(GENO-) GENOTEX YG.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mycobacterium tuberculosis
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  17; Conservative
                                                                                                                                                                                                Arraying genome clones.
                                                                                                                                               WPI; 2002-144136/19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2002-750564/81.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200274991-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to a preventive or treating agent for diseases caused by abnormality in the Fas/Fas ligand system containing, as the scrive component, an antibody having a light chain subunit and a heavy chain subunit and an activity of combining specifically with mammalian Fas and an activity of combining specifically with mammalian sgent has antiallergic, immunosuppressive and apoptotic activity and is used for preventing and treating autoimmune diseases, allergy, atopy and others. The present sequence is that of a PCR primer useful in the construction of anti-Fas antibodies of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; chromosome 1p36-35; chromosome 21q22.1; genetic analysis; genome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                  Human; mouse; Fas/Fas ligand system; Fas; antibody; light chain; heavy chain; apoptosis; antiallergic; immunosuppressive; apoptotic; autoimmune disease; allergy; atopy; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drug for preventing or treating e.g. autoimmune disease or allergy, comprises humanized anti-Fas antibody.
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0
                                                                                                                                                                         Humanised anti-Fas antibody related PCR primer SEQ ID NO 66.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.1e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 14 (preparatory); Page 32; 154pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human chromosome 21q22.1 PCR primer SEQ ID NO:2411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 20 BP; 4 A; 11 C; 0 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    819 CTTCCTCTTCTGCCCAACAC 838
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                            BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-MAR-2001; 2001JP-00093243.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          29-MAR-2000; 2000JP-00091144.
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ABL45367 standard; DNA; 20
                       ABL48728 standard; DNA; 20
                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SANY ) SANKYO CO LTD
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11-APR-2002
                                                                                                                        30-APR-2002
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                                                                                                                                                                                                                                                                                                                           Synthetic
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                                                                       ABL48728;
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**ABL453** 

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Length 20; 3; Indels 64

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The sequences given in ABA00075 and ABA00083-85 are probes and primers which were used in the detection of H. pylori infection pre- and post-treatment in a patient, compared to the presence of human DNA. These sequences may be used in the method of the invention for detecting a H. pylori infection. The method comprises: (a) determining an integrity of a Helicobacter pylori nucleic acid present, or (b) amplifying and detecting a first, second or third Helicobacter pylori nucleic acid at least 200, infection if the integrity of the nucleic acid as predetermined threshold, or if the amplified first, second or third Helicobacter pylori nucleic acids are detected. The method is useful for detecting a
                                                                                                                       The invention comprises a method for detecting the presence of a microorganism (particularly Mycobacterium tuberculosis) in a test sample. The method of the invention comprises exposing the test sample to an inducer that is capable of inducing the expression of at least one gene in the micro-organism and then testing for the presence of mRNA from this gene micro-organism and then testing for the presence of mRNA from this gene expressed in a species of Mycobacterium (e.g. Mycobacterium tuberculosis). The present DNN sequence represents a Mycobacterium specific nucleotide which can be used as a primer or probe in the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Detecting, grading and/or monitoring a Helicobacter pylori infection by detecting a high-integrity H. pylori nucleic acid in a patient sample.
                   Detecting the presence of Mycobacterium tuberculosis in a test sample, comprises inducing mRNA expression of Mycobacterium tuberculosis and
                                                                                                                                                                                                                                                                                                                                                                                                                    ..
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Primer; probe; detection; Helicobacter pylori; integrity; ss.
                                                                                                                                                                                                                                                                                                                                                                             Score 15.2; DB 1; Length 20;
Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                    Indels
                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 2 A; 11 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 5; Page 27; 28pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        181 AGGCAGCTGCTGGATCGGGC 200
                                                                                            Claim 17; Page 14; 70pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           20 AAGGAGGTGCTGGAGCGGGC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          BP.
                                                                                                                                                                                                                                                                                                                                                                             1.0%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           04-JAN-2002; 2002WO-US000267.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-JAN-2001; 2001US-00755004.
                                                         detecting the induced mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ABA00084 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                         Query Match 1.0°
Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human APC primer #1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-599807/64
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                                                                                                                                                                                                                                                                                                    the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WO200259379-A2.
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ABA00084/c
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Gaps

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Helicobacter pylori infection, determining its status, monitoring progression, evaluating efficacy of a treatment and diagnosing gastric disease by detecting a high-integrity Helicobacter pylori nucleic acid in a patient sample. Prior methods of using polymerase chain reaction (PCR) in assays detecting H. pylori infection usually lack the specificity to distinguish a successfully treated patient from a patient with a continuing H. pylori infection. The present invention of non-invasive method uses more sensitive and more specific assays to test for and to monitor H. pylori infection and course of treatment
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hepatotrophic; immunomodulatory; cytostatic; antiinflammatory; hepatitis; haemostatic; BH3 interacting domain death agonist; liver disease; haematopoictic disorder; developmental disorder; immunological disorder; hyperproliferative disorder; apoptosis; human; chimeric; 2'-methoxyethyl; 2'-MOB; phosphorothioate backbone; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a compound 8 to 50 nucleotides in length targeted to a nucleic acid molecule encoding a BH3 interacting domain death agonist, where the compound specifically hybridises with and inhibits the expression of the BH3 interacting domain death agonist. The compound of the invention is useful for inhibiting the expression of the BH3 interacting domain death agonist in cells or tissues. The compound is also useful for treating an animal having a disease or condition associated with the BH3 interacting domain death agonist, e.g. haematopoietic disorder, hyperproliferative disorder, a developmental disorder, immunological disorder, or a disease or condition of the liver
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel antisense compound targeted to nucleic acid molecule encoding the BH3 interacting domain death agonist, useful for treating animals with diseases associated with BH3 interacting domain death agonist, e.g.
                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human BH3 interacting domain death mRNA agonist inhibitor SEQ ID 22.
                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                      Score 15.2; DB 1; Length 20;
Pred. No. 1.1e+02;
0; Mismatches 3; Indels
                                                                                                                                                                                                 Sequence 20 BP; 5 A; 12 C; 0 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                        1.0%; Scor.
85.0%; Pred. No. 1...
                                                                                                                                                                                                                                                                                                                   332 TTGATGAGCTGATGGAGGTG 351
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 3; Page 86; 171pp; English.
                                                                                                                                                                                                                                                                                                                                                          TTGAGGAGGTGGTGGAGGTG
                                                                                                                                                                                                                                                                                                                                                                                                                                          179/c
AAL38179 standard; DNA; 20 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-SEP-2000; 2000US-00657346.
07-MAR-2001; 2001US-00800631.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        31-AUG-2001; 2001WO-US027316.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                        Local Similarity 85.0 nes 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (ISIS-) ISIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (revised)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-393838/42.
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15-AUG-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     hepatitis.
                                                                                                                                                                                                                                                                                                                                                        20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAL38179;
                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Chimeric
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Zhang H,
                                                                                                                                                                                                                                                                             Matches
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e.g., hepatitis, or a condition associated with apoptosis. The compound reagent for diagnostics, therapeutics, prophylaxis and as research reagents and kits. This polynucleotide sequence represents an antisense oligonucleotide inhibitor of the DNA from human BH3 interacting domain oligonucleotide inhibitor of the DNA from human BH3 interacting domain oligonucleotide inhibitor of the polynum home. This sequence is a chimeric oligonucleotide 20 nucleotides in length, which is flanked on both sides by five-nucleotide wings. The wings are composed of 2'-methoxyethyl (2'-methoxyethorechioate (P-S) throughout the oligonucleotide. (Updated on 29-AUG -2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The invention relates to a preventive or treating agent for diseases caused by abnormality in Fas/Fas ligand system containing as the active component an antibody having as the light chain subunit a polypeptide containing residues 1-218 of one of 3, 39 residue amino acid sequences, or residues 1-451 of one of 3, 470 residue amino acid sequences, fully defined in the specification and having an activity of combining
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     specifically with mammalian Fas and an activity of inducing apoptosis in a cell expressing Fas and antiallergic activity and is used for preventing and treating autoimmune diseases, allergy, atopy and others. The present sequence is that of a PCR primer,
                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Drug containing humanized anti-Fas antibody, used for preventing and treating autoimmune diseases, allergy, and atopy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human, mouse; humanised anti-Fas antibody, Fas/Fas ligand;
light chain subunit; apoptosis; immunosuppressive; antiallergic;
autoimmune disease; allergy; atopic; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Humanised anti-Fas antibody related PCR primer SEQ ID NO 19.
                                                                                                                                                                                                                                                                    1.0%; Score 15.2; DB 1; Length 20;
85.0%; Pred. No. 1.1e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 4 (Preparatory); Page 23; 194pp; Japanese.
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                                                                                                                                                                                                                              Sequence 20 BP; 4 A; 7 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                   903 TGCCCAGGCCCTGGGATGTG 922
                                                                                                                                                                                                                                                                                                                                                                               20 TGCCCAGGCCATGGACTGTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ABL45981 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                       Local Similarity 85.0 es 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       allergy, atopy and other
useful to the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (SANY ) SANKYO CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-145113/19.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABL45981;
                                                                                                                                                                                                                                                                    Query Match
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Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 132
ABL45981/c
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The invention relates to a preventive or treating agent for diseases caused by abnormality in Fas/Fas ligand system containing as the active component an antibody having as the light chain subunit a polypeptide containing residues 1-218 of one of 3, 239 residue amino acid sequences, or residues 1-451 of one of 3, 470 residue amino acid sequences, fully defined in the specification and having an activity of combining specifically with mammalian Fas and an activity of inducing apoptosis in a cell expressing Fas. The agent has immunosuppressive and antiallergic activity and is used for preventing and treating autoimmune diseases, allergy, atopy and others. The present sequence is that of a PCR primer, useful to the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Drug containing humanized anti-Fas antibody, used for preventing and treating autoimmune diseases, allergy, and atopy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Immunostimulatory; antiinflammatory; dermatological; antipsoriatic;
antiulcer; gene therapy; vaccine; non-allergic inflammatory disease;
                                                                                                                                                                                                                                                                           Human, mouse, humanised anti-Fas antibody, Fas/Fas ligand,
light chain subunit, apoptosis, immunosuppressive, antiallergic,
autoimmune disease, allergy, atopic, FCR primer, 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                               Humanised anti-Fas antibody related PCR primer SEQ ID NO 23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 20 BP; 4 A; 11 C; 0 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 5 (Preparatory); Page 25; 194pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Immunostimulatory nucleic acid #428.
                          CTTCCTCTTCTGCCCAACAC 838
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               819 CTTCCTCTTCTGCCCAACAC 838
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                                                         crrctrccccccaaaac
                                                                                                                                                                                                                                                                                                                                                                                                                                                         28-MAR-2001; 2001JP-00093106.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           29-MAR-2000; 2000JP-00090918
                                                                                                                                             ABL45985 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         25-SEP-2003 (first entry)
                                                                                                                                                                                                             26-APR-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (SANY ) SANKYO CO LTD.
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                                                                                                                                                                                                                                                                                                                                                                                     JP2001342148-A.
                                                                                                                                                                                                                                                                                                                                                                                                                       11-DEC-2001.
                                                                                                                                                                                                                                                                                                                                                     Synthetic.
                         819
                                                         20
                                                                                                                                                                             ABL45985;
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                                                                                                         RESULT 133
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Gaps

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Query Match
1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 1.1e+02;
Matches 17; Conservative 0; Mismatches 3; Indels

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Example 2; Page 37; 90pp; English.
                                                                                                                                                                                                                                                                                        1450 GGCCAGGGAATCCAGGTC 1467
                                                                                                                                                                                                                                                                                                             20
                                                                                                                                                                                                                                                                                                                                                                      BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            02-FEB-2001; 2001US-00776479.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-FEB-2000; 2000US-0179991P.
                                                                                                                                                                                                                                                                                                    3 GGCCAGGGVACYCAGGTC
                                                                 CDR3 polypeptide sequences.
                                                                                                                                                                                                                                                                                                                                                            821/c
ADB36821 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Bratzler RL, Petersen DM,
                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                     Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (BETE/) BRATZLER R L.
(PETE/) PETERSEN D M.
(FOUR/) FOURON Y.
           WPI; 2003-577302/54.
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                                                                                                                                                                                                                                                       Local Similarity
les 15; Conser
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US2003087848-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                               Query Match
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Matches
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                                                                                                                                                                                                                                                                                                            셤
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Micro-scaffold; immunoglobulin; complementarity determining region; CDR;
                                                                                                                                                                                                                                                                                     The invention describes a method of treating non-allergic inflammatory disease comprising administering to a subject having or at risk of developing a non-allergic inflammatory disease an immunostimulatory nucleic acid for prevention or treatment of the disease. The method is useful for treating non-allergic inflammatory diseases, such as psoriasis, eczema, allergic contact dermatitis, latex dermatitis or inflammatory bowel disease e.g., ulcerative collitis or Crohn's disease. This sequence represents an immunostimulatory nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
psoriasis; eczema; allergic contact dermatitis; latex dermatitis;
inflammatory bowel disease; ulcerative colitis; Crohn's disease; ss.
                                                                                                                                                                                                                     Treating non-allergic inflammatory diseases, such as psoriasis, ecze allergic contact dermatitis, latex dermatitis or inflammatory bowel disease by administering an immunostimulatory nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Boutonnet N, Lauwereys M, Beirnaert E;
                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.1e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human HCDR3 amplifying forward PCR primer, Exforl.
                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 3 A; 6 C; 9 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                   Disclosure; Page 20; 229pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         1461 CCAGGTCAGCCTGTACTGCC 1480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      20 CCCGGTGAGCCTGCACTGCC 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP
                                                                                               29-MAR-2002; 2002US-00112653
                                                                                                                     29-MAR-2001; 2001US-0279642P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 11-DEC-2001; 2001EP-00870274.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAL62118 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Lasters I, Pletinckx J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   human; PCR; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALGO-) ALGONOMICS NV
                                                                                                                                                                                                 WPI; 2003-521815/49
                                                                                                                                                                             Berg DJ;
                                                                                                                                           KRIE/) KRIEG A M.
                                                                                                                                                      BERG/) BERG D J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ABLY-) ABLYNX NV
                                                     US2003050268-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003050531-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Homo sapiens,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-SEP-2003
                                                                           13-MAR-2003
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                                Synthetic
                                                                                                                                                                             Krieg AM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAL62118;
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                                                                                                                                                                                                                                                                                                                                               The invention relates to an isolated polypeptide micro-scaffold displaying immunoglobulin complementarity determining region (CDR)-2 or CDR3 polypeptide sequences, comprising a CDR2 or LDR3 polypeptide sequence interconnecting fragments of the adjacent framework polypeptide sequences, which are arranged to form two anti-parallel beta-strands. The polypeptide micro-scaffold and the nucleotide sequences are useful for searching, selecting and screening for immunoglobulin CDR2 or CDR3 polypeptide sequences. The present sequence is a PCR primer used in the amplification of human HCDR3 DNA.
New isolated polypeptide micro-scaffold displaying immunoglobulin complementarity determining region (CDR) 2 or CDR3 polypeptide sequences, useful for searching, selecting and screening for immunoglobulin CDR2 or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a method of treating or preventing allergy or asthma which comprises administering to a subject a poly-G nucleic acid in an aerosol formulation. The methods and compositions of the present invention are useful for diagnosing and/or treating asthma and allergy especially in a hypo-responsive subject. The present sequence represents an immunostimulatory nucleic acid of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         immunostimulatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Treating and/or preventing allergy or asthma using an immunostimulatory nucleic acid alone or in combination with an asthma/allergy medicament
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 15.2; DB 1; Length 20; 83.3%; Pred. No. 1.1e+02; ive 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 20 BP; 3 A; 5 C; 9 G; 1 T; 0 U; 2 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fouron Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Immunostimulatory nucleic acid #435.
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prime reventation assay, useful for analysing molecular events for identifying mutations indicative of cancer, by contacting a target uncleic acid primer complementary to a region of the target nucleic acid primer complementary to a region of the target uncleic acid primer complementary to a region of the target nucleic acid primer complementary to a region of the target nucleic acid, and extending the primer in the presence of a first nucleic acid, and extending the primer in the presence of a first nucleotide that is complementary to a first variant nucleotide suspected to be at a position downstream of the region and a second nucleotide that is complementary to a second variant nucleotide at the position, thus to reduce misincorporation of the first nucleotide on a template comprising the second variant nucleotide. The methods are useful for analysing the second variant nucleotide. The methods are useful for analysing the second variant nucleotide. The methods are useful for analysing the encomence by a particularly useful in detecting are mutation in a heterogeneous biological sample (e.g. sporadic mutation in a heterogeneous patient sample), detecting rare genotypes in genotyping reactions (e.g. viral genotyping reactions), or detecting mutation in a sequence variations in pooled samples (e.g. detecting polymorphisms or inherited sequence represents a primer used as part of the primer extension assay
                                                                                                      ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Detecting a variant in a primer extension assay, useful for analyzing abolecular events for identifying mutations indicative of cancer, by contacting a target nucleic acid primer complementary to a region of the target nucleic acid.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    variant detection; primer extension assay; mutation; cancer;
heterogeneous; sporadic mutation; genotyping; pooled sample; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                        Variant detecting primer extension assay extension primer, SEQ ID No 35.
                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a novel method for detecting a variant in a
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                                                             Length 20;
                                                                                                      3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 5 A; 12 C; 0 G; 3 T; 0 U; 0 Other;
                   Seguence 20 BP; 3 A; 6 C; 9 G; 2 T; 0 U; 0 Other;
                                                        1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.1e+02;
iive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 5; SEQ ID NO 35; 54pp; English.
                                                                                                                                              1461 CCAGGTCAGCCTGTACTGCC 1480
                                                                                                                                                                      20 CCCGGTGAGCCTGCACTGCC 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15-FEB-2002; 2002US-0357585P
                                                                                                                                                                                                                                                                                              ADF53079 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                Best Local Similarity 85.0
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2003071252-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Unidentified
                                                                                                                                                                                                                                                                                                                                                                                 12-FEB-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  28-AUG-2003
                                                                                                                                                                                                                                                                                                                                       ADF53079;
                                                             Query Match
                                                                                                                                                                                                                                                      RESULT 137
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1.0%; Score 15.2; DB 1; Length 20;

Query Match

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chuman) and TCH120 (human) and their salts and partial peptides, and similar proteins with equivalent activity. Also disclosed are polyundleotides (including DNA) encoding the proteins. Proteins of the invention are useful in the prevention. Treatment and disgnosis of respiratory diseases (including asthma and bronchitis), kidney diseases (including Alzheimer's, parkinson's and schizophrenia), metabolic acidosis, muscle diseases (including muscle wasting), altergic diseases (including pneumonia, meningitis and myocarditis), altergic diseases (including muscular dystrophy and multiple sclerosis), altergic diseases (including papertunction), immune deficiency diseases (including spleen hyperfunction), immune deficiency diseases (including leukopenia), liver diseases (including papertus), diseases (including spleen hyperfunction), immune deficiency diseases (including papertus), diseases (including spleen hyperfunction), genital diseases (including ovarian hypofunction) and cancer (including pancres, bancres, bancres, prostate cancer, stomach cancer, breast,
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                                                                                                                                                                                                                                                                                                                                                                           Antinflammatory; nephrotropic; hepatotropic; neuroprotective; nootropic; gynaccological; cytostatic; antiallergic; immunosuppressive; antithyroid; antipartheritic; monocarboxylic acid; transport protein; inhibitor; potentiacor; organic ion; TCH131; TCH132; TCH120; respiratory disease; asthma; kidney disease; kidney failure; mervous system disease; Alzheimer's disease; muscle disease; muscle wating; allergic disease; monigitis; autoimmune disease; multiple sclerosis; allergic disease; hayfever; spleen disease; multiple sclerosis; allergic disease; leukopenia; liver disease; hepatitis; ovarian hypofunction; cancer; PCR; primer; se.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            liver cancer, ovarian cancer, prostate cancer, stomach cancer, breast cancer, bladder cancer and colon cancer). The sequences given in records
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Monocarboxylic acid and organic ion transport proteins and compounds modifying their activity or expression for treatment, prevention and diagnosis of respiratory, inflammatory, autoimmune, allergic and kidney
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The invention relates to proteins TCH131 (human, mouse and rat), TCH182
                                             Gaps
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            1.1e+02;
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                                               Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 19; SEQ ID NO 104; 209pp; Japanese.
                          Pred. No.
                                                                                                                                                                                                                                                                                                                                              Primer sequence mTMF, seq id 104.
                                                                                    TTGATGAGCTGATGGAGGTG 351
                                                                                                                      20 rrcageadericeredadere 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-NOV-2001; 2001JP-00342139.
16-NOV-2001; 2001JP-00351086.
20-NOV-2001; 2001JP-00354971.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           06-NOV-2002; 2002WO-JP011559.
                        85.0%;
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                                                                                                                                                                                                                         ADJ33237 Standard; DNA; 20
                                                                                                                                                                                                                                                                                                       (first entry)
                                               Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sagiya Y,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-441528/41
Best Local Similarity
Matches 17, Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nakanishi A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Unidentified
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                                                                                                                                                                                                                                                                                                     15-APR-2004
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                                                                                    332
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ADJ33134-ADJ33242 include proteins of the invention and those related to the invention, polynucleotides encoding these proteins, and primers and probes for the amplification and detection of DNA encoding them.

Gaps . 0 Length 20 3; Indels Sequence 20 BP; 4 A; 4 C; 7 G; 5 T; 0 U; 0 Other; Score 15.2; DB 1; Pred. No. 1.1e+02; 0; Mismatches 1.0%; Query Match 1.0° Best Local Similarity 85.0 Matches 17; Conservative 888888

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Human oligonucleotide seguence. BP ABZ85105 standard; DNA; 20 (first entry) 17-0CT-2003 ABZ85105; RESULT 139 ABZ85105, 

antiinflammatory steroid, ubiquinone, antiinflammatory; antiallergic, antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung, adenosine sensitivity; adenosine receptor; bronchodilation; bronchodonstriction; lung allergy; lung inflammation; respiratory disease; ds. Human; antisense; lung dysfunction; nasal airway dysfunction;

Homo sapiens.

WO200285308-A2

31-OCT-2002

23-APR-2002; 2002WO-US013135.

24-APR-2001; 2001US-0286137P.

EPIG-) EPIGENESIS PHARM INC

Katz E, Pabalan J, Aguilar D; Li Y, Sandrasagra A, K. Tang L, Shahabuddin S; Nyce JW, Miller S,

WPI; 2003-229219/22.

Pharmaceutical composition for treating ailments associated with impaired g respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid ubiquinone.

Claim 15; SEQ ID NO 347; 872pp; English.

The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the initiation coodon, coding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genee encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an natianflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallargic, antiasthmatic, hypotenaive, immunosuppressive, and cytostatic activity. The composition may have a cuse in antisense gene therapy. The composition is seful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing or depleting levels of of, or reducing sensitivity to adenosine, reducing levels of adenosine receptor, producing bronchodilation, increasing levels of ubiquinone or lung surfactant in a subject's tissue, or treating bronchoconstriction, lung inflammation, lung allergies, or a respiratory disease or condition

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Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                    Gaps
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0
                                                                                                   Length 20;
                                                                                                                                    3; Indels
                                                                  Sequence 20 BP; 4 A; 7 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                              Score 15.2; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 3;
                                                                                                                                                                     1418 GGAACGTGCTGATGTGGACC 1437
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                                                                                                   1.0%;
                                                                                                             Best Local Similarity 85.0
Matches 17; Conservative
                                                                                                   Query Match
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Human oligonucleotide sequence. ABZ86052 standard; DNA; 20 17-OCT-2003 (first entry) ABZ86052; 

RESULT 140 ABZ86052 Human, antisense; lung dysfunction, nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds. WO200285308-A2. Homo sapiens. 31-OCT-2002.

23-APR-2002; 2002WO-US013135. 24-APR-2001; 2001US-0286137P.

(EPIG-) EPIGENESIS PHARM INC

ä Pabalan J, Aguilar Katz E, Li Y, Sandrasagra A, Ka Tang L, Shahabuddin S; Nyce JW, I Miller S,

WPI; 2003-229219/22.

Pharmaceutical composition for treating ailments associated with impaired or respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid ubiquinone.

Claim 15; SEQ ID NO 1294; 872pp; English.

The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonucleotide antisense to the instantion cooding region, 5' or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of unctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antialergic, antiathmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing levels of adenosine of or reducing bronchoodilation, increasing levels of adenosine receptor, producing pronchoolation, increasing bronchoconstiticion. Ung surfactant in a subject's tissue, or treating bronchoconstiticion.

gibbs026-3.rng

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Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                         Sequence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 U; 0 Other;
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Gaps
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1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; Indel8
                 Local Similarity 85.0 tes 17; Conservative
   Query Match
                    Best Loc
Matches
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1990/c ABZ88990 standard; DNA; 20 RESULT 141 ABZ88990/ 셤

(first entry) 17-0CT-2003 ABZ88990, 

ВР

Human oligonucleotide sequence.

Human; antisense; lung dysfunction; nasal airway dysfunction; antiinflammatory steroid; ubiquinone; antiinflammatory; antiallergic; antiinsthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstriction; lung allergy; lung inflammation; respiratory disease; ds.

Homo sapiens.

WO200285308-A2

31-OCT-2002

23-APR-2002; 2002WO-US013135.

24-APR-2001; 2001US-0286137P.

(BPIG-) EPIGENESIS PHARM INC.

Pabalan J, Aguilar D; Katz E, Li Y, Sandrasagra A, Ka Tang L, Shahabuddin S; Li Y, Miller S, Nyce JW,

WPI; 2003-229219/22

Pharmaceutical composition for treating ailments associated with impaired ö respiration, has oligo(8) antisense to specific gene(8) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid ubiquinone.

Disclosure; SEQ ID NO 4232; 872pp; English.

The invention relates to a novel pharmaceutical composition, which has a first active agent comprising an oligonuclectide antiense to the initiation codon, coding region, 5 or 3' end genomic flanking regions, 5' and 3' intron-exon junctions, or regions within 2-10 nucleotides of junctions of genes encoding a polypeptide associated with lung and/or nasal alrawy dysfunction and a second active agent comprising an antinflammatory steroid and ubiquinone. A composition of the invention has antiinflammatory, antiallargic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also for enhancing the prophylactic or therapeutic respiratory effect of an antiinflammatory steroid in a subject, for reducing levels of, or reducing sensitivity to adenosine, reducing levels of, or reducing sensitivity to adenosine, reducing levels of, or reducing bronchodilation, increasing bronchoconstriction, lung surfactant in a subject's fissue, or a respiratory disease or condition.

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first active agent comprising an oligonuclectide antisense to the first active agent comprising an oligonuclectide antisense to the initiation codon, coding region, 5 or 3' end genomic flanking regions, 5 and 3' intron-exon junctions, or regions within 2-10 nuclectides of unctions of genes encoding a polypeptide associated with lung and/or nasal airway dysfunction and a second active agent comprising an antiinflammatory steroid and ubiquinons. A composition of the invention has antiinflammatory, antiallergic, antiasthmatic, hypotensive, immunosuppressive, and cytostatic activity. The composition may have a use in antisense gene therapy. The composition is useful for treating or preventing a respiratory, lung or malignant disease or condition, also artiinflammatory steroid in a subject, for reducing levels of, or reducing sensitivity to adenosine, reducing levels of, or reducing sensitivity to adenosine, reducing levels of, or reducing bronchodilation, increasing levels of adenosine tung surfactant in a subject's tissue, or a respiratory disease or condition.
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    Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pharmaceutical composition for treating ailments associated with impaired
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; antisense; lung dysfunction; nasal airway dysfunction; antinfilammatory steroid; ubiquinone; antinfilammatory; antiallergic; antiasthmatic; hypotensive; immunosuppressive; cytostatic; gene therapy; antisense gene therapy; respiratory; lung; adenosine sensitivity; adenosine receptor; bronchodilation; bronchoconstitction; lung allergy; lung inflammation; respiratory disease; ds.
                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   respiration, has oligo(s) antisense to specific gene(s) or its corresponding RNAs, and glucocorticoid or non-glucocorticoid steroid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Aguilar D;
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                                                                                                                       Length 20;
                                                                                                                                                           Indels
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                                                                                   Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                   1.0%; Score 15.2; DB 1;
85.0%; Pred. No. 1.1e+02;
iive 0; Mismatches 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Disclosure; SEQ ID NO 4159; 872pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Katz E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Li Y, Sandrasagra A, Ka
Tang L, Shahabuddin S;
                                                                                                                                                                                                  433 GATGAGGCAGGCTGCTGCT 452
                                                                                                                                                                                                                                      20 gargagagaaggcgcrccr 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human oligonucleotide sequence.
                                                                                                                                                                                                                                                                                                                                        BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (EPIG-) EPIGENESIS PHARM INC.
                                                                                                                                                                                                                                                                                                                                        ABZ88917 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                     17-OCT-2003 (first entry)
                                                                                                                                         Best Local Similarity 85.0
Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO200285308-A2
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                                                                                                                                                                                                                                                                                                                                                                              ABZ88917;
                                                                                                                         Query Match
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                                                                                                                                                                                                                                                                                                 RESULT 142
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Sequence 20 BP; 4 A; 7 C; 8 G; 1 T; 0 U; 0 Other;
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Miller S,
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                                                                                   Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention relates to novel antisense oligonucleotides which are targeted to human acyl CoA cholesterol acyltransferase-2 (ACC47-2) nucleotide sequence (ACC42409-ACC44131), and mouse ACAT-2 (ACC4242) inhibit the antisense oligonucleotides specifically hybridise with and ACC42403. ACAT enzymes catalyse the synthesis of follesterol seters from free cholesterol and fatty acyl-CoA. The antisense oligonucleotides are useful for treating an animal which has a disease or condition associated with ACAT-2, e.g. a condition involving abnormal lipid metabolism, a cardiovascular disease
Note: The sequence data for this patent is not represented in the printed specification, but was obtained in electronic format directly from WIPO at fer wind in the world.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /note= "Oligonucleotide has phosphorothioate backbone and all cytidine nucleotides are 5-methylcytidine. Optionally some nucleotides with 2'-methoxyethyl (2'-MOE wings)
                                                                                                                                                                                                                                                                                                                                                                                                           Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiarteriosclerotic; cardiovascular; ACAT-2; lipid metabolism; cholesterol metabolism; atherosclerosis; cardiovascular disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New antisense oligonucleotides for modulating acyl CoA cholesterol acyltransferase-2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis,
                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                              Acyl CoA cholesterol acyltransferase-2 antisense oligo ISIS #143031.
                                                                                                                                ;
                                                                                                Length 20;
                                                                                                                                3; Indels
                                                                Sequence 20 BP; 5 A; 5 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                           Score 15.2; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 3;
                                at ftp.wipo.int/pub/published_pct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Lemonidis KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 16; Page 90; 112pp; English.
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                                                                                                                                                               1193 TCCATGACTGGCTGTACAGC 1212
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           modification"
                                                                                                1.0%;
85.0%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          phosphorothioate; mouse; ss
                                                                                                                                                                                                                                                                             ACC42443 standard; DNA; 20
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                                                                                           Query Match
Best Local Similarity 85.0°
Matches 17; Conservative
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/*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      cardiovascular disease.
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modified_base
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Synthetic.
                                                                                                                                                                                                                                                                                                              ACC42443;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       comprising oligonuclectes, a note that a new comprising oligonuclectes, a new comprising oligonuclectes, and the new comprising oligonuclection, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonuclectides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonuclectides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention describes a novel composition (a) a first active agent
                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and
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    20;
                                             Indels
      Length
  Score 15.2; DB 1;
Pred. No. 1.1e+02;
0; Mismatches 3;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 15; SEQ ID NO 4159; 763pp; English.
                                                                                        633 CTGCGCGCTGCCGGTCCACG 652
                                                                                                                                 20 crecerciecesciecace 1
  1.0%;
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                                                                                                                                                                                                                                         ABD25147 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                               29-JUL-2004 (first entry)
                                             17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Li Y, Sar
Tang L,
Query Match
Best Local Similarity
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pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasoconstriction.

inflammation, allergies, astham, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it
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Sequence 20 BP; 5 A; 5 C; 6 G; 4 T; 0 U; 0 Other;

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Gaps
                            .
0
Score 15.2; DB 1; Length 20;
Pred. No. 1.1e+02;
                           3; Indels
                           0; Mismatches
                                                    1193 TCCATGACTGGCTGTACAGC 1212
 1.0%;
                           17; Conservative
Query Match
Best Local Similarity
                           Matches
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ABD22282 standard; DNA; 20 ABD22282; RESULT 145

ВР

(first entry) 29-JUL-2004

Human stanniocalcin-derived oligo SEQ ID 1294.

respiratory tract inflammation, adenosine sensitivity; lung; cancer; surfactant depletion; antiallargic; antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory diserses syndrome; allergic rhinitis; pulmonary hyportension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer. Human, antisense; bronchoconstriction; allergy; hyposecretion; pain; 

Homo sapiens.

WO200285309-A2.

31-OCT-2002.

24-APR-2001; 2001US-0286036P. 23-APR-2002; 2002WO-US013143.

(EPIG-) EPIGENESIS PHARM INC.

Aguilar D; Katz E, Pabalan J, Li Y, Sandrasagra A, Ka Tang L, Shahabuddin S; Nyce JW, I Miller S,

WPI; 2003-093058/08.

oligonucleotide containing less percentage of adenosine, targeted t nucleic acids associated with lung airway or lung dysfunction, and Pharmaceutical composition for treating asthma, has antisense bronchodilating agent.

Claim 15; SEQ ID NO 1294; 763pp; English.

This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating bronchoconstriction, respiratory tract inflammation, allergies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, surfactant depletion or hyposecretion, when administered to a mammal. The oligonucleotides are derived from a gene encoding or regulating

Pabalan J, Aguilar D;

Katz E,

Tang L, Shahabuddin S;

WPI; 2003-093058/08.

Sandrasagra A,

Li Y,

Nyce JW,

Miller S,

23-APR-2002; 2002WO-US013143. 24-APR-2001; 2001US-0286036P. (EPIG-) EPIGENESIS PHARM INC. Pharmaceutical composition for treating asthma, has antisense

composition, and commonsuppressive and cycostatic activity, is beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administrated composition comprises of malignant disease. The administrated composition comprises oligo and is administrated to reduce the production or availability, or to increase the degradation of the target mRNA or to creduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung or inflammation, allergies and/or bronchoconstriction and/or lung or inflammation, allergies and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vasoconstriction, cinflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic thinitis, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system cent. Index, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it ö expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides (c) instructions for adding a carriar and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiasthmatic, Human, antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallargic, antiinflammatory; antiasthmatic; analgesic; hypotensive; immunosuppressive; cycostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory districtses syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer. Gaрв ö 1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; IndelB Sequence 20 BP; 5 A; 3 C; 6 G; 6 T; 0 U; 0 Other; Human transglutaminase-derived oligo SEQ ID 347. 73 TGTGGAGATGGAAACACTGA 92 1 TGTGGATCTGGATACACTGA 20 ABD21335 standard; DNA; 20 BP 29-JUL-2004 (first entry) 17; Conservative lest Local Similarity WO200285309-A2 Ното варіелв. ABD21335; Query Match Matches RESULT 14 ABD21335/ \$\$6666666666666666666666666666688**\$** ઠે 셤  t

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This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating comprising oligonucleotides, effective for alleviating largies and reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, confidenceonstruction, respiratory tract inflammation, allergies and confidence associated with lung airway or lung expression of a target polypeptide associated with lung airway or lung dysfunction or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kit, that composites: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kit. The composition of the invention has antiallergic, antiinflammatory, antiastrmatic, analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adrenergic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or bronchoconstriction and/or lung inflammation, allergies and/or bronchoconstriction and/or lung with a disease or condition such as pulmonary vasconstriction, and/or bronchoconstriction and/or inflammation, allergies and/or bronchoconstriction and/or lung inpeded respiratory diserses syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary transplantation rejection, pulmonary incedections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to the oligonucleotides into products that faree adenosine into the system content of the allergies adenosine content of the anti-sense oligos corresponding to the oligonucleotides into product that faree adenosine into product the term and unallergies are of the confidence adenosine content of the allergies 
oligonucleotide containing less percentage of adenosine, targeted to nucleic acids associated with lung airway or lung dysfunction, and
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                                                                                                                             Claim 15; SEQ ID NO 347; 763pp; English.
                                                                 bronchodilating agent.
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Gaps .; 0 Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.1e+02; Matches 17; Conservative 0; Mismatches 3; Indels

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ABD25220 standard; DNA; 20 BP 29-JUL-2004 (first entry) RESULT 147 

AI051839-derived oligonucleotide SEQ ID 4232.

analgesic; hypotensive; immunosuppressive; cytostatic; cystic fibrosis; beta-adrenergic agonist; respiratory disease; pulmonary vasoconstriction; respiratory distress syndrome; allergic rhinitis; pulmonary hypertension; emphysema; chronic obstructive pulmonary disease; cancer; bronchitis; pulmonary transplantation rejection; ss; primer. Human; antisense; bronchoconstriction; allergy; hyposecretion; pain; respiratory tract inflammation; adenosine sensitivity; lung; cancer; surfactant depletion; antiallergic; antiinflammatory; antiasthmatic;

WO200285309-A2

31-OCT-2002.

This invention describes a novel composition (a) a first active agent, comprising oligonucleotides, effective for alleviating comprising oligonucleotides, effective for alleviating reducing adenosine sensitivity. Personal alleviating reducing adenosine sensitivity, levels of adenosine (A) or (A) receptors, configuration or hyposecretion, when administered to a mammal. The colligonucleotides are derived from a gene encoding or regulating expression of a target polypeptide associated with lung airway or lung expression or cancer and can be anti-sense to the corresponding mRNA. The invention also describes a kir, that comprises: (a) a delivery device, in separate containers, (b) the oligonucleotides, (c) instructions for adding a carrier and for use of the kir. The composition analgesic, hypotensive, immunosuppressive and cytostatic activity, is a beta-adreneratic agonist. The composition is useful for preventing or treating a respiratory, lung or malignant disease. The administered composition comprises oligo and is administered to reduce the production or availability, or to increase the degradation of the target mRNA or to reduce the amount of target polypeptide present in the lungs. The pulmonary obstruction, and/or surfactant hypoproduction are associated inflammation, allergies and/or surfactant hypoproduction are associated with a disease or condition such as pulmonary vessentiation. inflammation, allergies, asthma, impeded respiration, respiratory distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary distress syndrome, pain, cystic fibrosis, allergic rhinitis, pulmonary hypertension, emphysema, chronic obstructive pulmonary disease, pulmonary transplantation rejection, pulmonary infections, bronchitis or cancer. The reduced adenosine content of the anti-sense oligos corresponding to thymidines present in the target RNA serves to prevent the breakdown of the oligonucleotides into products that free adenosine into the system e.g., lung, brain, heart, kidney, etc, tissue environment and thereby, to prevent any unwanted effects due to it Gaps Pharmaceutical composition for treating asthma, has antisense oligonucleotide containing less percentage of adenosine, targeted toucleic acids associated with lung airway or lung dysfunction, and Pabalan J, Aguilar D; ö Ouery Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 1.1e+02; 3; Indels Sequence 20 BP; 3 A; 9 C; 3 G; 5 T; 0 U; 0 Other; 0; Mismatches יי ו, sandrasagra A, Katz E, Tang L, Shahabuddin S; Claim 15; SEQ ID NO 4232; 763pp; English. 433 GATGAGGCAGGCTGCT 452 23-APR-2002; 2002WO-US013143. 24-APR-2001; 2001US-0286036P. (EPIG-) EPIGENESIS PHARM INC 17; Conservative bronchodilating agent WPI; 2003-093058/08. Li Y, Miller S, Nyce JW, Matches 셤

20 gargagagagagggggrgcr 1

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Primer of the invention #2128. 06-MAY-2004 (first entry) ADK96408; 8XXXXXXXXXX

ADK96408 standard; DNA; 20 BP

RESULT 148

ADK96408

human; single nucleotide polymorphism; SNP; ss; primer.

Synthetic.

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Gaps

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Length 20; Indela

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/*tag= a
/mod_base= OTHER
/note= "This oligonucleotide has a phosphorothioate
/note= "This oligonucleotide has a phosphorothioate
/note= "This oligonucleotide has a the 5'
backbone and 2-"methyoxyethyl (2'-MOE) wings at the 5'
and 3' ends, which are 4 nucleotides in length. Also all
                                                                                                                                                                                                                                                                                                                                                                                                          Antilipaemic; Cardiovascular; Analgesic; Antianginal; Antisense therapy; Human; Endothelial Lipase; dyslipidaemia; high density lipoprotein; HDL; cardiovascular disorder; metabolic syndrome X; ss.
                                                                                                                                                                                                                                                                                                                                                                          Human endothelial lipase antisense oligonucleotide, SEQ ID 816.
                       Sequence 20 BP; 6 A; 7 C; 5 G; 2 T; 0 U; 0 Other;
                                                       Score 15.2; DB 1;
Pred. No. 1.1e+02;
                                                                                             0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 3; SEQ ID NO 816; 1007pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Location/Qualifiers
                                                                                                                                  GTCCTGGTCTTCGAGCAGGT 710
                                                                                                                                                                  Greerscharchecker 1
                                                                                                                                                                                                                                                                BP.
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                                                         1.0%;
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                                                                                                                                                                                                                                                              ADJ22418 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                     20-MAY-2004 (first entry)
                                                                            Best_Local Similarity 85.0
Matches 17; Conservative
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modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens.
Synthetic.
                                                                                                                                  691
                                                                                                                                                                  20
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                                                           Query Match
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                                                                                                                                                                                                                            RESULT 150
                                                                                                                                                                                                                                               ADJ22418/
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                                                                                                                                                                                                                                                                                                                                                         human
                                                                                                                                                                                                                                                                                                                                                                              ina
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                           Novel polynucleotide useful for PCR amplification along with two DNA fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel polynucleotide useful for PCR amplification along with two DNA fragment from another set of sequences, or for detecting single nucleotide polymorphism in human gene.
                                                                                                                                                                                                                                                                                                                                                   The present invention relates to a polynucleotide isolated from a had and is useful for detecting a single nucleotide polymorphism in human gene or for disgnosing of disease. The invention enables the detection of a single nucleotide polymorphism in a human gene. The present sequence represents a primer of the invention.
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85.0%; Pred. No. 1.1e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               human; single nucleotide polymorphism; SNP; ss; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Seguence 20 BP; 6 A; 5 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 2; SEQ ID NO 4447; 2627pp; Japanese.
                                                                                                                                                                                                                                                                                                                  Claim 2; SEQ ID NO 5437; 2627pp; Japanese.
                                                                                                                                                                      (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (KAGA-) KAGAKU GIJUTSU SHINKO JIGYODAN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 143 TGAAGGCACAATTGCTGGAG 162
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TGCAGGCACAACTACTGGAG 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Primer of the invention #1138
                                                                                                                                  08-MAR-2002; 2002JP-00064373.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               08-MAR-2002; 2002JP-00064373
                                                                                             08-MAR-2002; 2002JP-00064373
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADK95418 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                         WPI; 2004-093977/10
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                        JP2003259875-A
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                                                             16-SEP-2003
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New antisense oligonucleotide for modulating endothelial lipase expression, for diagnosing, preventing or treating e.g. dyslipidemia, low high density lipoprotein or cardiovascular disorders.
                                                                                                                                                                                                                                                       The present invention relates to antisense oligonucleotides (ADD151603-ADD25510) targeted to human Endothelial Lipase (EL) coding sequence (ADD25517), where the antisense oligonucleotide specifically hybridises with and inhibits the expression of EL. The antisense oligonucleotides are useful for modulating the expression of endothelial lipase in cells or tissues to treat diseases associated with EL expression, such as dyslipidaemia, low high density lipoportein (HDL), cardiovascular disorder or metabolic syndrome X. In addition, the oligonucleotides are used for diagnostics, prophylaxis, or as research reagents or kits.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; Live 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Seguence 20 BP; 3 A; 11 C; 3 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                             nucleic acid of the invention demonstrates nephrotropic activity and may be useful for drug screening applications for compounds that alter signaling within the nephrorectinin (nephphrocystin-4; NPHP4) pathway, as well as in yeast two-hybrid screening assays and gene therapy. The nucleic acid may also be used for treating cystic kidney disease. The current sequence is that of a PCR primer used during mutational analysis
                                                                                                                                                                                                                                                                                                                                                                    drug
                                                                                                                                       PCR primer 40 used during mutational analysis of human nephroretinin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                    The invention relates to a novel isolated and purified nucleic acid.
                                                                                                                                                                                                                                                                                                           Hiller KS;
                                                                                                                                                         nephrotropic, nephroretinin, nephphrocystin-4; NPHP4; gene therapy; cystic kidney disease; human; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                           New isolated and purified nucleic acid encoding nephroretinin or nephrocystin-4, useful for treating cystic kidney disease or for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human mPGES-1 chimeric antisense oligonucleotide SEQ ID NO:454.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      chimeric; antisense oligonucleotide; phosphorothioate; human;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              / Match 1.0%; Score 15.2; DB 1; Length 20; Local Similarity 85.0%; Pred. No. 1.1e+02; nes 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                           Hoefele J, Ruf R, Mueller AM,
Becker A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 20 BP; 3 A; 2 C; 9 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of human nephroretinin of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; SEQ ID NO 62; 175pp; English
         197 GGGCCATGCGGGAGGCTATA 216
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       232 CAAGACAAACCTCTGCCCCC 251
                     20 GGGCCTGGGGGGGCTATA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          20 caagaaaacccrcrcrcrccc 1
                                                                                                                                                                                                                                                  26-AUG-2003; 2003WO-US026507.
                                                                                                                                                                                                                                                                     26-AUG-2002; 2002US-0406001P.
                                                                            ADL15530 standard; DNA; 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ADM14267 standard; DNA; 20
                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                           t F, Otto E, F
Schuermann MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                             screening applications.
                                                                                                                                                                                                                                                                                      (UNMI ) UNIV MICHIGAN.
                                                                                                                                                                                                                                                                                                                                       WPI; 2004-226861/21
                                                                                                                                                                                                          WO2004018702-A2
                                                                                                                                                                                                                                                                                                           Hildebrandt F,
                                                                                                                                                                                        Homo sapiens.
                                                                                                                   20-MAY-2004
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                                                                                                                                                                                                                                                                                                                      Wolf MTF,
                                                                                                ADL15530;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ADM14267;
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Matches
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The present sequence represents a chimeric antisense oligonucleotide targeted to human microsomal prostaglandin E2 synthase (mPGES-1). The human mpGES-1 gene is located on chromosome 9, more specifically to 9434.3. The present invention also describes: (1) antisense compounds, having a sequence comprising 8-30 bp targeted to a nucleic acid encoding mPGES-1, which specifically hybridise with the nucleic acid mPGES-1 and inhibits its expression; (2) a method of inhibiting the expression of mPGES-1, in cells or tissues; and (3) a method of treating an animal having a disease or condition associated with mPGES-1. MPGES-1 chimeric antidiabetic, immunomodulator, cardiant, neuroprotective, antidiabetic, immunomodulator, cardiant, neuroprotective, ophthalmological, immunomodulatory and cardiovascular activities, and can ophthalmological, immunomodulatory and cardiovascular activities, and can be used as mPGES-1 inhibitors and in gene therapy. The antisense compound can be used for preparing a composition for treating a disease or condition associated with mPGES-1 e.g., inflammation, Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
microsomal prostaglandin E2 synthase; mPGES-1; mPGES-1 inhibitor; microsomal prostaglandin E2 synthase inhibitor; cytostatic; antidiabetic; immicrosomal prostaglandin E2 synthase inhibitor; cytostatic; antidiaheric; nurciprotective; antidiahericic; antidiamatory; neuroprotective; nootropic; antiarthritic; vasotropic; ophthalmological;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New antisense compound, having a sequence targeted to a nucleic acid encoding mPGES-1, useful for preparing a composition for treating e.g., inflammation, Alzheimer's disease, arthritis, diabetes, cancer or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                 immunomodulatory; cardiovascular; gene therapy; inflammation; Alzheimer's disease; archritis; diabetes; cancer; ischaemia; reperfusion injury; ophthalmic disorder; immunological disorder; cardiovascular disorder; neurological disorder; se.
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16. .20
/*tag= c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              mod_base= OTHER
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Matches 17; Conservative
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modified base
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(first entry)

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ACC42397 standard; DNA; 15 BP
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                                                      ACC42397;
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 RESULT 154
ACC42397/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to an antisense compound 8-30 nucleobases in length targeted to a nucleic acid molecule encoding Farnesoid X receptor (FXR), where the antisense compound specifically hybridizes with and inhibits the expression of FXR. The composition and methods are useful for inhibiting the expression of FXR (Farnesoid X receptor) in cells or tissues, or for treating diseases or conditions associated with FXR, such as diabetes, immunological disorders, cardiovascular disorders, e.g. dyslipidemia and its symptoms, atheroscierosis, low HDL (high density lipoprotein), elevated LDL (low density lipoprotein) or hypercholesterolemia, gallstones, hypertidemia, obesity, neurological disorders, or ischemia/reperfusion injury. In addition, the composition is used for diagnostics, prophylaxis, or as research reagents or kits. This sequence corresponds to an antisense oligonucleotide of the
                                                                                                                                                                                                      se; antidiabetic; immunosuppressive; cardiovascular; antilipemic; antiatriosclerotic; hepatotropic; litholytic; anorectic; neuroprotective; vasotropic; antisense therapy; gene therapy; Farnesoid X receptor; diabetes; immunological disorder; cardiovascular disorder; dyslipidemia; atherosclerosis; high density lipoprotein; low density lipoprotein; hypertriglyceridemia; obesity; neurological disorder; gallscones; hypertriglyceridemia; obesity; neurological disorder; ischemia; reperfusion; diagnostics; prophylaxis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Farnesoid X Receptor (FXR) or for treating diseases associated with FXR, e.g. diabetes, immunological disorders, cardiovascular disorders, gallstones or obesity.
                                                                                                                                                                               Farnesoid X receptor gene expression antisense inhibitory oligo #119.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 1.1e+02; ive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New antisense oligonucleotides useful for modulating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Seguence 20 BP; 4 A; 6 C; 3 G; 7 T; 0 U; 0 Other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; SEQ ID NO 119; 150pp; English.
245 TGCCCCCACCTCCCCCAGGT 264
                         1 recececaecirceccaeer 20
                                                                                              BP
                                                                                                                                                                                                                                                                                                                                                                                                                  25-SEP-2003; 2003WO-US030353.
                                                                                                                                                                                                                                                                                                                                                                                                                                             25-SEP-2002; 2002US-0413588P.
                                                                                              ADO52746 standard; DNA; 20
                                                                                                                                                  (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity 85.0 nes 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 2004-347928/32.
                                                                                                                                                                                                                                                                                                                                                             WO2004030750-A1
                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                  15-JUL-2004
                                                                                                                        ADO52746;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Kane CD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loce
Matches
                                                                   RESULT 153
                                                                                   ADO52746
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1042 ATCTTCATGCTGCTCCAT 1061

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                                                           Acyl CoA cholesterol acyltransferase-2; antisense therapy; antilipemic; antiatreficosferotic; cardiovascular; ACMT-2; lipid metabolism; cholesterol metabolism; archerosclerosis; cardiovascular disease; phosphorothioare; human; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           New antisense oligonucleotides for modulating acyl CoA cholesterol acylicransferase.2, e.g. for preventing or treating diseases associated with abnormal lipid or cholesterol metabolism, atherosclerosis, cardiovascular disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human; epidermal growth factor receptor; EGFR; EGF-R; target sequence;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
Human acyl CoA cholesterol acyltransferase-2 PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1.0%; Score 15; DB 1; Length 15;
100.0%; Pred. No. 74;
lve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human EGF-R target sequence nucleotide position 1277.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 15 BP; 4 A; 6 C; 5 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ACAT-2, used in an example from the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Lemonidia KM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 13; Page 85; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1238 TCCTTGGTGCCCGGG 1252
                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JUL-2002; 2002WO-US022746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            30-JUL-2001; 2001US-00918026.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-MAR-1999 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Graham MJ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-248145/24.
                                                                                                                                                                                                                                                                                                     WO2003011889-A2
                                                                                                                                                                                                                                                                                                                                                                           13-FEB-2003
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ACD51912 standard; RNA; 17 BP.
                                                                 26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
                                     26-MAR-2002; 2002WO-US009187.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      261 AGGITCCTTGAGCAG 275
                                                                                                                                                                  RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  24-SEP-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      15 AGGITCCTIGAGCAG
                                                                                                                                                                                                                                                                                                                                Macejak D,
Roberts E;
                                                                                                                                                                                    BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-229207/22.
                                                                                                                                                                                                                                                                                                  ROBERTS E.
                                                                                                                                                                                                                                                                                                                               Macejak
                                                                                                                                                                                                                                                                LEE P.
DRAPER K.
                                                                                                                                                                                                                                                   PAVCO P.
   17-OCT-2002
                                                                                                                                                                                                                                                                                                                                              Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                              infection.
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                                                                                                                                                                                                                                                                                                                                Blatt L,
                                                                                                                                                                                 (BLAT/)
(MACE/)
(MCSW/)
                                                                                                                                                                                                                              (MORR/)
(PAVC/)
(LEEP/)
(DRAP/)
                                                                                                                                                                                                                                                                                              (ROBE/)
                                                                                                                                                                   RIBO-)
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ID ACD5:
XX
AC ACD5:
XX
DT 24-SI
XX
DB HBV :
XX
KW Nucle
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                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes enzymatic nucleic acid molecules (NAMS) which specifically cleave RNA derived from an epidermal growth factor receptor (EGF-R) gene. AAV97221 to AAV98043 and AAV98979 to AAV99090 represent specifically claimed target sequence from human EGF-R. AAV98044 to AAV98866 and AAV98867 to V9878 represent hammerhead ribozymes and hairpin ribozymes respectively for human EGF-R. The NAMS are useful for cleaving EGF-R RNA in the treatment of a condition associated with EGFR expression levels e.g. to inhibit call proliferation in the prevention or treatment of cancers. The NAMS can also be used as diagnostic tools to examine genetic drift and mutations within diseased cells or to detect the presence of EGF-R RNA in a cell
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                       Enzymatic nucleic acids - which cleave RNA derived from an epidermal growth factor receptor, useful for inhibiting cell proliferation and for treating cancers.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication; degenerative; disease state; HBV infection; HCV infection; cirrhosis; liver failure; hepatocellular carcinoma; hepatotropic; cytostatic; virucide; antiinflammatory; substrate; ss.
hammerhead ribozyme; hairpin ribozyme; inhibition; cell proliferation; cancer; genetic drift; detection; mutation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15; DB 1; Length 17;
Pred. No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 3 A; 7 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HBV amberzyme substrate sequence #49.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Scc.
100.0%; Pre
                                                                                                                                                                                                                                                                                    Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 5; Page 71; 109pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           BP.
                                                                                                                                                      98WO-US000730.
                                                                                                                                                                                    97US-0036476P.
97US-00985162.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             340 CTGATGGAGGTGCAG 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACD55428 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15 crearicadericada 1
                                                                                                                                                                                                                                  RIBOZYME PHARM INC
UNIV ASTON.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                    WPI; 1998-437449/37
                                                                                                                                                                                                                                                                                    Fell P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200281494-A1
                                                         Homo sapiens
                                                                                       WO9833893-A2
                                                                                                                                                      14-JAN-1998;
                                                                                                                                                                                                     04-DEC-1997;
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                                                                                                                       06-AUG-1998
                                                                                                                                                                                                                                                                                    Akhtar S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACD55428;
                                                                                                                                                                                                                                     RIBO-)
                                                                                                                                                                                                                                                    UYAS-)
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\$XXQXGXGXGXGXGXGXGXGXGXGXGXGXGXGXGXGXGX

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed remucleic acid decoy molecules and apteamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV genes and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HGV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HV infection, replication and gene chases teates related to HBV and HV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocallular.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      carcinoma. The present sequence represents a substrate for one of the HBV ribozyme, inozyme, G-cleaver, zinzyme, DNAzyme or amberzyme sequences disclosed in the present invention
                                                                                                                                                                                                                                       Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
Lee P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
0
     Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     . Match 1.0%; Score 15; DB 1; Length 17; Local Similarity 100.0%; Pred. No. 92; les 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 4 A; 6 C; 3 G; 0 T; 4 U; 0 Other;
     Mcswiggen J, Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HBV inozyme substrate sequence #144.
                                                                                                                                                                                                                                                                                                                                                                                                                                           Example 1; Page 203; 387pp; English.
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gene therapy; antibody therapy; modulator of GAPN; GTP-activator for Rab-like GTPase; GAP\_N; immunogen; 88.

Human GAP\_N DNA 17-mer oligo #145.

15-JAN-2004 (first entry)

ADD20913;

ADD20913 standard; DNA; 17 BP.

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the synthesis, expression and/or stability of Hepatitis G virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, Cardenzymes, amberzymes, antisense, and enzymes, antisense, and enzymes, antisense, and c-leaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonuclectides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV Compounds and HBV and compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and the achods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinal relations of antisers of antisers of an entitle for the compounds and carcinoms. The present sequence represents a substrate for one of the HBV carcinoms.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention relates to nucleic acid molecules which modulate
                amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
HBV reverse transcriptase; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocelular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ribozyme, inozyme, G-cleaver, zinzyme, DNAzyme or amberzyme sequences disclosed in the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mcswiggen J, Morrissey D, Pavco P, Lee P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 15; DB 1; Length 17; 100.0%; Pred. No. 92;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 5 A; 6 C; 3 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 1; Page 152; 387pp; English.
                                                                                                                                                                                                                                                                                                                  08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                          26-MAR-2002; 2002WO-US009187.
                                                                                                                                                                                                                                                                                                 2001US-00817879
                                                                                                                                                                                                                                                                                                                                                                                                                   RIBOZYME PHARM INC.
BLATT L.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Macejak D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (PAVC/) PAVCO P.
(LEEP/) LEE P.
(DRAP/) DRAPER K.
(ROBE/) ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2003-229207/22
                                                                                                                                      Hepatitis B virus.
                                                                                                                                                                           WO200281494-A1.
                                                                                                                                                                                                                                                                                                 26-MAR-2001;
                                                                                                                                                                                                                 17-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Blatt L,
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                   (RIBO-)
(BLAT/)
(MACE/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MORR/)
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Novel human GTP-activator protein for Rab-like GTPase and polynucleotide encoding the protein, useful for diagnosing, treating or preventing disorders associated with increased expression or activity of the

(AMSH ) AMERSHAM BIOSCIENCES SV CORP.

WPI; 2003-403224/38

Zhang J;

11-OCT-2002; 2002WO-US032597. 15-OCT-2001; 2001US-0330323P.

WO2003033703-A2. Homo sapiens.

24-APR-2003.

Example 2; SEQ ID NO 169; 149pp; English.

protein.

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The invention relates to an isolated human GTP-activator protein for Rablike GTPase (GAPN) polypeptide (1), a sequence having 65% identity to (1), a sequence in which at least 95% of deviations from (1) are conservative substitutions, or a fragment of at least 8 contiguous amino acids of (1). The polypeptide is useful for identifying a specific binding partner for itself, by contacting the polypeptide in vivo to a potential binding partner and determining if the polypeptide binding partner binds to the polypeptide. (1) and a nucleic acid encoding the polypeptide (II) are useful for diagnosing or monitoring a disease caused by altered expression of GAPN, by determining the level of expression of GAPN, by determining the level of expression of GAPN, by determining the level of expression of GAPN, added and subject subspected to have the disease, alterations from a normal level of subsected to have the disease, alterations from a normal level of associated with decreased expression or activity of GAPN, and an antagonist of (1) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN, and an antagonist of (1) is useful as immunogen to raise antibodies that specifically recognize GAPN proteins. (II) is useful to raise antibodies that specifically recognize GAPN proteins. (II) is useful to raise antibodies that specifically recognize GAPN nucleic acids in and isolate GAPN nucleic acids from both genomic and transcript-derived nucleic acids samples. This sequence
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100.0%; Pred. No. 92;
iive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 2 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
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nes 15; Conservative
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ADD 20913

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Gaps

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0; Indels

100.0%; Pred. No. 92; tive 0; Mismatches

263 GTTCCTTGAGCAGGA 277

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15; Conservative

Local Similarity

Best Local Matches

17 GTTCCTTGAGCAGGA 3

RESULT 158

15-JAN-2004 (first entry)

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The invention relates to an isolated human GTP-activator protein for Rablike GTPase (GAPN) polypeptide (I), a sequence having 65% identity to (I), a sequence in which at least 95% of deviations from (I) are conservative substitutions, or a fragment of at least 8 contiguous amino acids of (I). The polypeptide is useful for identifying a specific binding partner for itself, by contacting the polypeptide in vivo to a potential binding partner and determining if the polypeptide in vivo to a potential binding partner and determining if the polypeptide binding partner binds to the polypeptide. (I) and a nucleic acid encoding the polypeptide (II) are useful for diagnosing or monitoring a disease caused by altered expression of GAPN, by determining the level of expression of GAPN, by determining the level of expression of GAPN, by determining information. (I), (II) suspected to have the disease, alterations from a normal level of expression providing diagnostic and/or monitoring information. (I), (II) or agonist of (I) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN (all claimed).

(I) is useful as immunogen to raise antibodies that specifically recognize GAPN proteins. (II) is useful to drive in vivo expression of GAPN proteins, and as hybridization probes to detect, characterize and quantify GAPN nucleic acids in and isolate GAPN nucleic acids sin and isolate acids sequence.

Tepresents a 17-mer oligonucleotide spanning the GAPN NNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Novel human GTP-activator protein for Rab-like GTPase and polynucleotide encoding the protein, useful for diagnosing, treating or preventing disorders associated with increased expression or activity of the
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100.0%; Pred. No. 92;
trive 0; Mismatches 0; Indels
                                                                                                                                                   gene therapy; antibody therapy; modulator of GAPN; GTP-activator for Rab-like GTPase; GAP N; immunogen; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 2; SEQ ID NO 168; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                         AMSH ) AMERSHAM BIOSCIENCES SV CORP
                                                                                                       Human GAP_N DNA 17-mer oligo #144.
                                                                                                                                                                                                                                                                                                                                                      11-OCT-2002; 2002WO-US032597.
                                                                                                                                                                                                                                                                                                                                                                                                 15-OCT-2001; 2001US-0330323P.
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                                                              (first entry)
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Best Local Similarity
Matches 15; Conserva
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                                                                                                                                                                                                                                                               WO2003033703-A2.
                                                                15-JAN-2004
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                    ADD20912;
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The invention relates to an isolated human GTP-activator protein for Rab-
[1], a sequence having 65% identity to
[1], a sequence in which at least 55% of deviations from [1] are
[2] as sequence in which at least 55% of deviations from [1] are
[3] conservative substitutions, or a fragment of at least 8 contiguous amino
[3] caids of [1]. The polypeptide is useful for identifying a specific
[4] caids of [7]. The polypeptide is useful for identifying a specific
[5] chinding partner for itself, by contacting the polypeptide in vivo to a
[6] conservation partner and determining if the polypeptide binding
[7] contact binds to the polypeptide. [7] and a nucleic acid encoding the
[7] partner binds to the polypeptide. [7] and a nucleic acid encoding the
[7] contact partner of CAPN, by determining the level of expression of
[7] contact of nucleic acids or proteins that derives from a subject
[7] cauge of nucleic acids or proteins that derives from a subject
[7] cauge of nucleic acids or proteins information. [7], [7]
[8] contact of list useful for treating or preventing a disorder
[8] associated with decreased expression or activity of GAPN, and an
[8] cassociated with increased expression or activity of GAPN, and an
[8] cassociated with increased expression or activity of GAPN (all claimed).
[8] cassociated with increased expression or activity of GAPN (all claimed).
[9] cassociated with increased expression or activity of GAPN proteins.
[9] cassociated with a simmunogen to raise antibodies that specifically
[9] cacconize GAPN proteins. [11] is useful to drive in vivo expression of accounting a disorder and antify GAPN proteins, and as Nybridization probes to detect. characterize and
[9] quantify GAPN nucleic acids in and isolate GAPN nucleic acids from both
[9] genomic and transcript-derived nucleic acid samples. This sequence.
[8] capter and as Nybridization probes to detect. Characterize and genomic and transcript-derived nucleic acid samples. This sequence.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human GTP-activator protein for Rab-like GTPase and polynucleotide encoding the protein, useful for diagnosing, treating or preventing disorders associated with increased expression or activity of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                               antibody therapy; modulator of GAPN; for Rab-like GTPase; GAP_N; immunogen; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 2; SEQ ID NO 167; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                      (AMSH ) AMERSHAM BIOSCIENCES SV CORP.
                                                                   Human GAP_N DNA 17-mer oligo #143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.0.0%; Pre-
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                                                                                                                                                                                                                                                                                                                          11-OCT-2002; 2002WO-US032597.
                                                                                                                                                                                                                                                                                                                                                                        15-OCT-2001; 2001US-0330323P.
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Matches 15; Conservative
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                                                                                                                                                                                                                                WO2003033703-A2.
                                                                                                                 gene therapy;
GTP-activator
                                                                                                                                                                                     Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Zhang J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        protein.
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(first entry)

03-JUN-2004

ADM60110;

ADD20911 standard; DNA; 17 BP.

RESULT 160 ADD20911

ADD20911;

RXB

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Gaps ö 79

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The invention relates to an enzymatic nucleic acid molecule that specifically cleaves RNA derived from hepatitis B virus (HBV) and comprising one or more binding arms, without requiring the presence of a 2.0H group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, hepatocellular carcinoma, cirrhosis and liver failure, either alone or in combination with other therapies such as lamivudine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                             Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; pepatitis B virus infection; hepatitis; hepatocallular carcinoma; cirrhosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotropic; antinflammatory; cytostatic.
                      Hepatitis B virus (HBV) RNA target seguence #845.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mcswiggen JA, Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 845; 122pp; English
                                                                                                                                                                                                                                                                                                                                                                                              07-FEB-1994; 94US-00193627.
08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-006936385.
24-OCT-2000; 2000US-006934347.
08-JUN-2001; 2001US-006947478.
                                                                                                                                                                                                                                                                                                                              15-JAN-2003; 2003US-00342902.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAX55895 standard; DNA; 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (DRAP/) DRAPER K.
(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
(MORR/) MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-247781/23
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                                                                                                                                                                                     Hepatitis B virus.
                                                                                                                                                                                                                                   US2004054156-A1.
                                                                                                                                                                                                                                                                                                                                                                          14-MAY-1992;
                                                                                                                                                                                                                                                                               18-MAR-2004
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AAX55895/c
TD AAX55
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AC AAX5:
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DT 08-JI
XX
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, used in the scope of the invention. Note: The sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an enzymatic nucleic acid molecule that specifically cleaves RNA derived from hepatitis B virus (HBV) and comprising one or more binding arms, without requiring the presence of a 2'-OH group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, hepaticis, nepaticis negations, cirrhosis and liver failure, either alone or in combination with other therapies such as lamivatine and interferons. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes
                                                                                        Hepatitis B virus; HBV; ss; enzymatic nucleic acid; RNA cleavage; Pepatitis B virus infection; hepatitis; hepatocallular carcinoma; cirrhosis; liver failure; lamivudine; interferon; genetic drift; virucide; hepatotropic; antlinflammatory; cytostatic.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        IndelB
                                            B virus (HBV) RNA target sequence #2244.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 4 A; 6 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Morrissey
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        100.0%; Prec. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure, SEQ ID NO 2244; 122pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                14-MAY-1992; 92US-00882712.
07-FEB-1994; 94US-00193627.
08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-00636385.
24-OCT-2000; 2000US-00636387.
                                                                                                                                                                                                                                                                                                                                                       15-JAN-2003; 2003US-00342902.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              08-JUN-2001; 2001US-00877478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       261 AGGTTCCTTGAGCAG 275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM58711 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
(MORR/) MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-247781/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Local Similarity
                                                                                                                                                                                                           Hepatitis B virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             DRAPER K.
                                                                                                                                                                                                                                                         US2004054156-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   03-JUN-2004
                                                                                                                                                                                                                                                                                                        18-MAR-2004
                                              Hepatitis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADM58711;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
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DRAP/)

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                                                                                               Gape
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                                          1.0%; Score 15; DB 1; Length 17;
100.0%; Pred. No. 92;
tive 0; Mismatches 0; Indels
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Sequence 17 BP; 5 A; 6 C; 3 G; 0 T; 3 U; 0 Other;
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RESULT 162 ADM58711/c ID ADM5871 XX AC ADM5871 XX DT 03-JUN·

Best Loc Matches

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Key
modified_base
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11-JUN-1992;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAD12117;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 165
AAD12117/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention describes classification of the type of hepatitis B virus (HBV) involving checking if the 22nd nucleotide (22nt) in the S gene is cytosine, to distinguish the gdaz type of HBV from other types. Also described are: (1) a method as above for distinguishing the gdaz type gene, involving checking if the 166nt, 169nt, 176nt and 390nt are adenine, thymine, guanine or cytosine respectively; (2) a method as above for distinguishing the gdwl type gene, involving checking if the 392nt is adenine; (3) a method as above for distinguishing the gyw type gene involving checking if the 401nt is adenine; and (4) a method as above for distinguishing the grape gene distinguishing the gdr type gene involving checking if the 328nt is cytosine and if the 337nt is adenine. The method can classify HBV easily to match with clinical symptoms. The present sequence represents a probe
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Epidermal growth factor receptor; EGFR; deletion mutant; glioma; tumour; breast cancer; lung cancer; detect; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PCR primer #2 from set A for amplification of EGFR gene from tumours.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
          Hepatitis B virus; HBV; classification; probe; S gene; infection; genotyping; gdw1; gdw2; ss.
                                                                                                                                                                                                                                                                                                                                                                                              New primer and probes - useful for classification of the type of hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1.0%; Score 15; DB 1; Length 18; 00.0%; Pred. No. 1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 5 A; 6 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             100.0%; Pred. No.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 for use in the method of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 22; Page 12; 17pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAZ37843 standard; DNA; 18 BP.
                                                                                                                                                                                                                                   97JP-00282784.
                                                                                                                                                                                                                                                                          97JP-00282784
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   261 AGGITCCTTGAGCAG 275
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15 AGGTTCCTTGAGCAG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-FEB-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity 100.
1es 15; Conservative
                                                                                                                                                                                                                                                                                                                                                         WPI; 1999-305861/26
                                                                                Synthetic.
Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                  (SRLS-) SRL KK.
                                                                                                                                                                                                                                                                        10-SEP-1997;
                                                                                                                                                                                                                                 30-SEP-1997;
                                                                                                                                              JP11103898-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      08-SEP-1989;
01-JUN-1990;
                                                                                                                                                                                         20-APR-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-NOV-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAZ37843;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
Best Local S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 164
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pcr primers AA237842-237845 are used in the amplification of epidermal growth factor receptor (BGFR) cDNA from tumour cells. These primers are used to identify BGFR deletion mutant. Deletions in the EGFR gene are found in many gliomas, breast tumours and lung tumours. The nuclectide and amino acid sequence (AA237841 and Y5189) of the type II EGFR deletion mutant are used in the invention to create vectors containing the probes for the type II EGFR mutant. The invention also relates to a kit for detecting type II mutants. A cell sample taken from an individual can be section for the presence of a tumour, in particular breast cancer, lung cancer or gliomas using probes for type II mutants. A cell sample taken from an individual can be radiolabelled or labelled with fluorescent material and hybridization to a deletion-specific probe indicates the presence of the can be radiolabelled or labelled with fluorescent material and hybridization to a deletion-specific probe indicates the presence of the used time associated with the tumour. Diagnosis could also be carried out using a polymerase chain amplification technique. The sequences can also be used for the generation of antibodies which can be used to treat these
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                  Intron free DNA molecule encoding a mutant epidermal growth factor receptor is useful in the diagnosis of tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    .;
0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Rat PTP1B antisense oligonucleotide (ISIS# 113721).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       note = "Phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 18 BP; 4 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 note= "Methoxyethyl residues"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1.0°,
100.0%; Pre-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     *tag= a
mod_base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mod base= OTHER
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              4. .5
/*tag= d
/mod_base= m5c
16. .20
/*tag= c
                                                                                                                                                                                                                                                                                                                                                                                                                    Example; Col 22; 43pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAD12117 standard; DNA; 20 BP.
92US-00896909.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         340 CTGATGGAGGTGCAG 354
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                                                                 (UYDU-) UNIV DUKE.
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*tag= b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 100.
Matches 15; Conservative
                                                                                                                                                                           Bigner D, Vogelstein B;
                                                                                                                                                                                                                                            WPI; 1999-633374/54.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Rattus norvegicus.
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WPI; 2002-394234/42.
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                                                                                                                                                                               WO200226758-A1
      modified_base
                                    modified_base
                                                                  modified base
                                                                                               modified base
                                                                                                                                      modified base
                                                                                                                                                                                                   04-APR-2002
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 167
ABK85192/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches
8
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                                                                                                                                                                                                                                                                      The invention is directed to antisense compounds, particularly oligonucleotides which are targetted to a DNA encoding protein phosphatase 1B (PTP1B) to modulate its expression. The antisense compounds are useful for diagnosis, prophylaxis and treatment of diseases associated with the expression of PTP1B, to prevent or delay infection, inflammation and tumour formation and as a research reagent. The PTP1B DNA is useful in gene therapy. The present sequence is an antisense oligonucleotide with a phosphorothicate backbone. This oligo is targetted to rat PTP1B to inhibit its expression
                                                                                                                                                                                                            New antisense compounds capable of modulating expression of human protein
                                                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, epidermal growth factor receptor; hyperproliferative disease;
Herl, antisense; prophylaxis; psoriasis; phosphorothioate backbone;
tumour; cancer; ss.
                                                                                                                                                                                                                       phosphatase 1B, useful for diagnosis, prophylaxis and treatment of diseases associated with expression of protein phosphatase.
                                                                                                                                                                                                                                                                                                                                                                                                                   ö
                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.0%; Score 15; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.2e+02; Matches 15; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1..5
/*tbg= b
/mod base= OTHER
/moce= "2'methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human Her-1 antisense oligonucleotide ISIS #128531.
                                                                                                                                                                                                                                                                                                                                                                           Sequence 20 BP; 2 A; 3 C; 13 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /*tag= a
/mod_base= OTHER
/note= "Phosphorothioate backbone"
      /mod_base= OTHER
/note= "Methoxyethyl residues"
                                                                                                                                                                                                                                                    Example 17; Col 51-52; 71pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Location/Qualifiers
                                     /*tag= e
/mod_base= m5c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAD36657 standard; DNA; 20 BP
                                                                                                         18-JAN-2000; 2000US-00487368.
                                                                                                                             18-JAN-2000; 2000US-00487368
                                                                                                                                                                                                                                                                                                                                                                                                                                     245 TGCCCCCACCTCCCC 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                  20 TGCCCCCACCTCCCC 6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                 (ISIS-) ISIS PHARM INC
                                                                                                                                                                     Wyatt J;
                                                                                                                                                                                         WPI; 2001-432181/46.
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modified_base
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                           modified base
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                                                                   US6261840-B1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    09-AUG-2002
                                                                                                                                                                     Cowsert LM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAD36657;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 166
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAD36657
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The invention relates to an antisense oligonucleotide targetted to a nucleic acid molecule encoding human epidermal growth factor receptor (Herl) to inhibit its expression. The antisense compounds are useful for treating diseases or conditions associated with Her-1 such as hyperproliferative diseases especially cancer (lung, ovarian, colon or prostrate cancer) and psoriasis. They are also useful as research reagents, diagnostics, therapeutics, kits and prophylactically e.g. to prevent or delay tumour formation. The present sequence is an antisense oligonucleotide targetted to human Her-1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel antisense oligonucleotide that specifically hybridizes with and inhibits nucleic acid encoding epidermal growth factor receptor, useful for treating hyperproliferative disease such as cancer or psoriasis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Antisense; protein phosphatase 1B; PTP1B; ss; probe; rat; type 2 diabetes; obesity; ovarian cancer; chronic myeloid leukaemia; hyperproliferative disease; antidiabetic; anorectic; cytostatic; blood glucose; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.0%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                  *tag= c
mod_base= CTHER
note= "2'methoxyethyl nucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 20 BP; 4 A; 4 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Rat PTPB1 antisense oligonucleotide ISIS 113721.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Freier SM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 1; Page 47; 169pp; English.
                                                                                                                                                                            /*tag= f
/mod_base= m5c
16..20
                                                                                        /*tag= e
/mod_base= m5c
                              mod_base= m5c
                                                                                                                                                                                                                                                                                                                                                                                                                         /*tag= g
/mod_base= m5c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     28-SEP-2001; 2001WO-US030551.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     29-SEP-2000; 2000US-00676610.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             340 CTGATGGAGGTGCAG 354
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                CTGATGGAGGTGCAG 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Bennett CF, Wyatt JR,
*tag=
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The invention relates to a compound of 8-50 nucleobases in length
targeted to a nucleic acid encoding protein phosphatase 1B (PTP1B), where
the compound specifically hybridises with and inhibite the expression of
PTP1B (e.g. an antisense oligonucleotide). Also included are (1) a
PTP1B (e.g. an antisense oligonucleotide). Also included are (1) a
Compound of 8-50 nucleobases in length which specifically hybridises with
comprising contacting the expression of PTP1B in cells or tissues
comprising contacting the expression of PTP1B in cells or tissues
comprising or suspected of having a disease or condition associated
with PTP1B comprising administering the compound; (4) decreasing blood
sugar levels in an animal comprising administering the compound; (5)
preventing or delaying the onset of a disease or condition associated
conventing or delaying the onset of an increase in blood glucose levels
in an animal comprising administering the compound. The compound is used
convent or delay the onset of a disease or condition associated with
PTP1B, such as type 2 diabetes, obesity, cancer (especially ovarian
animal having or suspected of having the disease or condition, and for
decreasing blood sugar levels or preventing or delaying the onset is also used
increase in blood glucose levels in an animal, the compound of a larger levels or preventing or delaying the onset of an increase in blood glucose levels in an animal having or suspected of having the disease or condition, and for
increase in blood sugar levels or preventing or delaying the onset of an increase or condition, and for
increase in blood sugar levels in an animal in the onset of an increase or condition, and for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 diagnostics, therapeutics, prophylaxis, and in research reagents and ts. The present sequence is an antisense compound of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Compound for inhibiting the expression of protein phosphatase 1B (PTP: and for treating diabetes, cancer, or obesity, comprises an antisense oligonucleotide targeted to nucleic acid encoding PTP1B.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Example 16; Page 24; 133pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Freier SM,
13:01:39 2004
                                                                                                                                                                                                                                                      14-MAY-2001; 2001US-00854883.
                                                                                                                                                                                                                                                                                               18-JAN-2000; 2000US-00487368.
31-JUL-2000; 2000US-00629644.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cowsert LM, Wyatt J,
                                                                                                                                                                                                                                                                                                                                                                                       WYATT J.
FREIER S M.
MONIA B P.
BUTLER M M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   targetting rat PTP1B
                                                                                                                                                                                                                                                                                                                                                                  COWSERT L M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 2002-462914/49
                                                                                                                     Rattus norvegicus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MCKAY R.
                                                                                                                                                                 US2002055479-A1.
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Mon Nov
                                                                                                                                                                                                                                                                                                                                                                  COMS/)
                                                                                                                                                                                                                                                                                                                                                                                                           (FREI/)
(MONI/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                         BUTL/)
                                                                                                                                                                                                                                                                                                                                                                                       WYAT/)
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Gaps ; 0 1.0%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels Sequence 20 BP; 2 A; 3 C; 13 G; 2 T; 0 U; 0 Other; 245 TGCCCCCACCTCCCC 259 15; Conservative Best Local Similarity Matches 15; Conserv ò

20 TGCCCCACCTCCCC 6

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ABK37361 standard; DNA; 20 BP (first entry) 08-MAY-2002 ABK37361; RESULT 168 ABK37361/ 5 X X X X X X

The invention relates to a compound targeted to a nucleic acid molecule encoding protein phosphatase IB (PTPIB), which specifically hybridises with and inhibite the expression of PTPIB. The compounds of the invention are useful for inhibiting the expression of PTPIB in liver, kidney or adipose cells or tissues and for treating an animal, preferably human, having a disease or conditions associated with PTPIB, including metabolic diseases or conditions such as cancer. The sequences are also useful for decreasing blood (serum or plasma) glucose levels in an animal e.g. a diabetic human or rodent, for preventing or delaying the onset of a disease or condition associated with PTPIB, and for preventing or delaying the onset of an increase in blood glucose levels. This sequence represents a PTPIB mRNA level inhibition antisense oligonucleotide of the Novel antisense compound useful for treating type 2 diabetes, cancer and obesity, is targeted to nucleic acid encoding human protein phosphatase 1B, and hybridizes and inhibits PTP1B expression. Human; mouse; rat; protein tyrosine phosphatase 1B; PTP1B; ss; adipose; liver; kidney, metabolic disease; type 2 diabetes; obesity; cancer; hyperproliferative condition; blood serum; blood plasma; antidiabetic; blood glucose level; cytostatic; anorectic; antisense gene therapy; PTPIB mRNA level inhibition. Mckay R; Butler MM, Sequence 20 BP; 2 A; 3 C; 13 G; 2 T; 0 U; 0 Other; Rat PTP1B mRNA level inhibition antisense DNA #78. Monia BP, Example 16; Page 71; 142pp; English Cowsert LM, Wyatt J, Freier SM, 30-JUL-2001; 2001WO-US023874. 31-JUL-2000; 2000US-00629644. (ISIS-) ISIS PHARM INC. WPI; 2002-180079/23. Rattus norvegicus. WO200210378-A2. 07-FEB-2002 invention 

(PTP1B)

Mckay R;

Butler MM,

Monia BP,

Gaps ; 0 1.0%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels Query Match 1.0 Best Local Similarity 100. Matches 15; Conservative

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245 TGCCCCACCTCCCC 259 20 receeecacereee ઠે g

Human ADAMTS2 gene exon O forward sequencing primer #1. 12-AUG-2004 (first entry) ADP75475; 

BP.

ADP75475 standard; DNA; 20

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RESULT 169 ADP75475 Human; ss; primer; ADAM19; Endophilin 1; Endophilin 2; NRG2; ADAMTS2; a disintegrin and metalloprotease; neuroregulin 2; SNP; single nucleotide polymorphism; a disintegrin and metalloprotease with thrombospondin typel motif 2; asthma; atopy; obesity; inflammatory bowel disease; respiratory disorder.

Homo sapiens

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11-OCT-2002; 2002WO-US032700
         11-OCT-2001; 2001US-0328424P.
 WO2003031594-A2
    17-APR-2003
               Keith T,
Allen K;
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The invention features to an instruction and interior spirite spirite in the invention features to an instruction of the single nucleotide polymorphisms given in the specification, a nucleotide sequence having at least 15 contiguous nucleotides of them, or complements of them. The genes are ADAM19 (a disintegrin and metalloprotease 19, also known as gene 845), NRG2 (neuroregulin 2, also known as gene 847), endophilin 2 (also known as gene 847), endophilin 2 (also known as gene 803) and ADAMTS2 (a disintegrin and metalloprotease vith thrombospondin typel motif 2, also known as gene 962). Also included are a vector comprising the isolated nucleic acid (or alternate splice variant), a host cell containing the vector, an isolated polypeptide encoded by the novel nucleic acid (or alternate splice variant), an antibody or antibody fragment that binds to the polypeptide. The pharmaceutical compositions (comprising the nucleic acid or alternate splice variant, and a carrier, splice variant, vector, polypeptide or antibody, and a carrier, splice variant, and at least one component to detect the hybridisation of the variant or the binding of the antibody to an ADAM gene amino acid sequence), a kit for detecting an antibody or antibody rangement, and at least one component to detect the hybridisation of the variant or the binding of the antibody to an ADAM gene amino acid sequence (comprising the antibody to antibody or antibody to an ADAM gene amino acid sequence (comprising the antibody or an isolated mucial acid probe or primer comprising at least 8 contiguous mucleotides of the nucleic acid, an isolated antisense nucleic acid, identifying an ADAM or interactor gene ligand and an isolated nucleic acid variant of Gene 803, 845, 847, 847, 87 or 962. The nucleic acid or alternate splice variants, methods, kits and antibody/antibody fragment associated disorder, e.g. asthma, atopy, obesity or inflammatory bowel disease. The present sequence is a primer used to sequence the regions an orthologue of a human ADAM or interactor gene, treating an ADAM or interactor gene, treating an ADAM or interactor gene, treating an ADAM or interactor gene-associated disorder (or a respiratory disorder) by administering the pharmaceutical composition, a transgenic mouse (whose genome comprises an introduced null mutation in an endogenous gene that is orthologous to a human ADAM gene), making a homozygous transgenic for more is forming a crystal of the isolated polypetide, a cell line comprising the isolated nucleic acid or alternate splice variant, a biochip comprising the isolated nucleic acid or alternate splice variant, diagnosing an ADAM or interactor gene-associated disorder or a respiratory disorder in a human subject, determining an ADAM or interactor gene pharmacogenetic profile in a human subject, identifying The invention relates to an isolated nucleic acid or alternate splice New isolated nucleic acid or alternate splice variant, useful for diagnosing and treating a disintegrin and metalloprotease (ADAM) or interactor gene-associated disorder, e.g. asthma, atopy, obesity or inflammatory bowel disease. Del Mastro RG; Dupuis J, surrounding polymorphisms in the above genes Little RD, Van Eerdewegh P, Claim 2; Page 130; 338pp; English. (GENO-) GENOME THERAPEUTICS CORP WPI; 2003-381712/36.

Sequence 20 BP; 8 A; 4 C; 7 G; 1 T; 0 U; 0 Other;

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Gaps
                                           ;
0
1.0%; Score 15; DB 1; Length 20; 100.0%; Pred. No. 1.2e+02; tive 0; Mismatches 0; Indels
   Query Match
Best Local Similarity 100.
Matches 15; Conservative
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This invention relates to novel compositions and methods for modulating the expression of PTPIB (also known as protein phosphatase 1B and PTPNI). Specifically, it refers to antisense compounds that can target and hybridise with a nucleic acid molecule encoding PTPIB, as well as splice variants thereof and inhibit expression accordingly. PTPIB is a tyrosine phosphatase that plays an essential regulatory role in signalling mediated by the insulin receptor and as such is useful for treating diseases such as type 2 diabetes and obesity. Furthermore, PTPIB can suppress transformation of oncogenic genes, such that compositions of this invention can also be used to treat hyperproliferative conditions including cancer. Accordingly, these compounds can be described as having cytostatic, antidiabetic and anorectic activities. This oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /mod_base= OTHER
/note= "OTHER= 2' methoxyethyl nucleotides. All cytidine
nucleobases are 5' methylcytidine."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /mod_base= OTHER /nethoxyethyl nucleotides. All cytidine nucleobases are 5' methylcytidine."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New compounds, particularly antisense oligonucleotides targeted to a nucleic acid encoding PTP1B, useful for treating a disease/condition associated with PTP1B, such as cancer, diabetes or obesity.
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                                                                                                                                                                                                                                           rat; ss; antisense; PTP1B; protein phosphatase 1B; PTPN1; phosphorothicate backbone; hyperproliferative condition; cancer; cytostatic; antidiabetic; anorectic; type 2 diabetes; obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mckay
                                                                                                                                                                                                                                                                                                                                                                                                               /mod_base= OTHER
/note= "OTHER= phosphorothioate backbone"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Monia BP, Butler MM,
                                                                                                                                                                                                              Antisense DNA oligo to target rat PTP1B DNA SegID 174.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 16; SEQ ID NO 174; 143pp; English.
                                                                                                                                                                                                                                                                                                                                                               Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cowsert LM, Wyatt JR,
                                                                                                                ADI13922 standard; DNA; 20 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JAN-2000; 2000US-00487368.
31-JUL-2000; 2000US-00629644.
14-MAY-2001; 2001US-00854883.
                  S CAGAGGACAGAAGGG 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  *tag= a
                                                                                                                                                                              22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                              *tag= b
31 CAGAGGACAGAAGGG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /*tag≃
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2004-051719/05.
                                                                                                                                                                                                                                                                                                               Rattus norvegicus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003220282-A1.
                                                                                                                                                                                                                                                                                                                                                                 Key
modified_base
                                                                                                                                                                                                                                                                                                                                                                                                                                               modified base
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Freier SM;
                                                                                                                                                                                                                                                                                                                                 Synthetic
                                                                                                                                                 ADI13922;
                                                                                 RESULT 170
                                                                                                   ADI13922,
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The present sequence is a primer which was used for reverse transcription of rat RNA in order to study the tissue distribution of the rat D4 dopamine receptor mRNA. A cDNA encoding the rat D4 dopamine receptor mRNA. A cDNA encoding the rat D4 dopamine receptor was expressed in transfected mammalian cells and shown to preferentially bind dopamine antagonists such as clozapine. The CDNA is useful for screening drugs which specifically bind to the receptor and have selective effects on the cardiovasculature and retinal tissues through interactions with the receptor. Such compounds may act as vasoregulators or may have ionotropic effects. The D4 receptor protein may be used for the production of polyclonal or monoclonal antibodies which recognise the D4 receptor sequence but do not recognise other dopamenergic receptors. The antibodies may be used in immunocytochemical studies and for identification and isolation via flow sorting of D4 expressing cell types
that targets rat PTP1B DNA, and which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Screening for compounds that selectively bind to a rat D4 dopamine receptor (DDR), useful for identifying dopamine (ant) agonists, comprises exposing cells transfected with a nucleic acid encoding the DDR to candidate compounds.
                   phosphorothicate backbone and 2'-O-methoxyethyl wings, used in an
                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Rat; D4 dopamine receptor; cardiovascular system; retinal tissue;
                                                                                                                                                .
0
                                                                                                                                                                                                                                                                                                                                                                                                                           Rat D4 receptor mRNA reverse transcription primer orD4-515.
                                                                                                         Score 15; DB 1; Length 20;
Pred. No. 1.2e+02;
                                                                                                                                              0; Indels
                                                                       Sequence 20 BP; 2 A; 3 C; 13 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 2 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                0; Mismatches
sequence is an antisense DNA oligo
                                  exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Col 6; 29pp; English.
                                                                                                                                                                                                                                                                                                                   ВР.
                                                                                                                         100.08;
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                                                                                                                                                                                  245 TGCCCCCACCTCCCC 259
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 95US-00475742
                                                                                                           1.0%;
                                                                                                     Query Match 1.0%
Best Local Similarity 100.0°
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                               AAA99605 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     vasoregulator; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           UNIW ) UNIV WASHINGTON
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                O'malley KL;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 07-JUN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      28-JAN-1993;
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                                                                                                                                                                                                                                                                                                                                                    AAA99605;
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                                                                                                                                                                                                                                                                               RESULT 171
                                                                                                                                                                                                                                                                                              AAA99605
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The present invention relates to methods and devices for tissue repair.

The devices have tissue-like characteristics for treating diseased or damaged tissue or for augmenting tissue in a subject. The device comprises cells of type(s) normally found in healthy tissue corresponding to the diseased or damaged tissue or in the tissue to be augmented, and/or its suitable progenitor cells in association with bioresorbable beads or particles, and optionally a gel and/or gel forming substance.

The cells and/or suitable progenitor cells are chondrocytes, embryonic teem cells, and/or bone marrow stromal cells. The devices and methods are useful for treating diseased or damaged tissue in a subject, such as articular cartilage degeneration associated with primary osteoarthritis, or or other articular cartilage damage caused by sporting injuries or trauma. They are also useful for tissue augmentation for cosmetic trauma. They are also useful for tissue augmentation for cosmetic.

The use of biodegradable polymers in the device offer advantages over non degradable polymers in the is less traumatic than previous art.

The use of biodegradable polymers in the device offer advantages over non degradable polymers in the device of for surgical removal of the scaffolds following restoration of the articular cartilage. Another advantage is its ability to be administered by injection if desired. The tissue regeneration is progressing, by offering physical support and resting amplify pig beta-actin cDNA, in the examples of the present
                                                                                                                                                                                                                                                                                              Pig; tissue repair; progenitor cell; bioresorbable bead; chondrocyte; gel forming substance; embryonic stem cell; bone marrow stromal cell; tissue damage; articular cartilage degeneration; primary osteoarthritis; articular cartilage damage; sporting injury; tissue augmentation; trauma; cosmetic; scar; facial wrinkle; tissue growth; osteopathic; antiarthritic; dermatological; PCR; primer; 88; beta-actin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New device having tissue-like characteristics, useful for treating diseased or damaged tissue, e.g. articular cartilage degeneration associated with primary osteoarthritis, or for tissue augmentation for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Thissen HW,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (CSIR ) COMMONWEALTH SCI & IND RES ORG. (INTE-) IND TECHNOLOGY RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Werkmeister JA, Tsai W, Ramshaw JAM,
                                                                                                                                                                                                                                                           Pig beta-actin cDNA, PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Example 20; Page 18; 52pp; English.
1 CTGTCCACGCTGATGGCG 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  04-FEB-2002; 2002WO-AU000106
                                                                                                                              ABS54291 standard; DNA; 18
                                                                                                                                                                                                                   (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     cosmetic purposes.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WO200262357-A1.
                                                                                                                                                                                                                   05-DEC-2002
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                                                                                                                                                                        ABS54291;
                                                                                      RESULT 172
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                                                                                                          ABS54291
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Sequence 18 BP; 3 A; 1 C; 11 G; 3 T; 0 U; 0 Other;

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Gaps

; 0

0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.1e+02; ive 0; Mismatches 2; Indels

Query Match
Best Local Similarity 88.9
Matches 16; Conservative

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WPI; 2003-803953/75
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les 16; Conserv
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                                                                                                                                                                                                                   Synthetic.
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1D ADF1358
AC ADF1358
XX XX DT 12-FEB-
XX ADP000
E 3-hydrx
XX X Homo 80
XX Y Homo 80
XX Y Homo 80
XX Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to an isolated nucleic acid molecule encoding rate of dopamine receptor. The rat D4 dopamine receptor binds dopamine antagonists such as clozapine. The nucleic acid is useful as a probe for related D4 dopamine receptors. The nucleic acid when expressed in cell lines, is useful as an in vitro screen for drugs which specifically bind to the receptor. Antibodies to the protein are useful in financytochemical studies, identification and isolation via flow sorting of D4 expressing cell types and in blocking or modifying the effects of D4 agonists and/or antagonists. The present sequence represents the rat dopamine D4 receptor reverse transcription (RT)-PCR primer, orD4-515, used for tissue distribution studies of the rat dopamine D4 receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Novel nucleic acid molecule encoding rat D4 dopamine receptor, useful as a probe for related D4 dopamine receptors.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Rat; ss; primer; dopamine; D4; D4 receptor; D4 dopamine receptor probe;
clozapine; RT-PCR; reverse transcription.
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                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                              Rat dopamine D4 receptor tissue distribution RT-PCR primer, orD4-515.
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                      Length 18;
                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 18 BP; 2 A; 6 C; 6 G; 4 T; 0 U; 0 Other;
                    Score 14.8; DB 1;
Pred. No. 1.1e+02;
                    Query Match 0.9%; Score 14.8; I
Best Local Similarity 88.9%; Pred. No. 1.1e
Matches 16; Conservative 0; Mismatches
                                                                                                           989 CCTTCAGCACCCGTGCCC 1006
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                                                                                                                               18 CCTTCAACACCCTGCCC 1
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                                                                                                                                                                                                                                                            ABX12225 standard; DNA; 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           O'malley KL, Todd RD;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rattus norvegicus.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                26-NOV-2002
                                                                                                                                                                                                                                                                                                          ABX12225;
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                                                                                                                                                                                                                                                               요
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Treating an autoimmune disease by co-administering to a patient a statin and an antigen-specific non-antigen-specific immunomodulatory agent.
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                                                                       autoimmune disease; statin; antigen-specific immunomodulatory agent; non-antigen-specific immunomodulatory; antidiabetic; antiarthritic; vasotropic; gene therapy; multiple sclerosis; insulin dependent diabetes mellitus; IDDM; rheumatoid arthritis; autoimmune uveitis; PCR primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Cardiant; antiarteriosclerotic; vasotropic; cerebroprotective; hypotensive; gene therapy; human; 3-hydroxy-3-methylglutaryl coenzyme A synthase; PCR; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 18 BP; 3 A; 5 C; 5 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (STRD ) UNIV LELAND STANFORD JUNIOR. (BAYH-) BAYHILL THERAPEUTICS INC.
Beta-actin PCR primer SEQ ID NO:70.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1320 CGTCCTGGGGTTCTTCTA 1337
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAR-2002; 2002US-0368803P.
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Example 1; SEQ ID NO 7; 30pp; English
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                                                                                                                                                                                                                   The present invention relates to human phenotype-associated (PA) genes (I ; ADF13107-ADF13186) which contain a Single Nucleotide Polymorphism (SNP). The SNP is given in the sequence as a variant nucleotide. Also claimed are methods for screening for agents which regulate the activity of a PA gene and reagents that modulate the activity of a PA polypeptide or a polypucleotide where the reagent is identified by the screening methods and compositions of the present invention are useful for prognosticating, diagnosing and treating cardiovascular diseases, such as antherosclarosis, hypertension, restenosis, arterial inflammation, used in the examples from the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A new nucleic acid encoding a rat D4 dopamine receptor is useful to treat disorders of the cardiovasculature or retinal tissue or prevent or treat disorders of neuronal morphology or connections.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cardiovascular; ophthalmological; rat; D4 dopamine receptor; cardiovasculature tissue; retinal tissue; neuronal morphology disorder; neuronal connection disorder; PCR; primer; ss.
                                                                                                                  New isolated polynucleotide encoded by a phenotype-associated gene, useful for prognosticating statin therapy response, and diagnosing or treating cardiovascular diseases, such as hypertension, myocardial
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 14.8; DB 1; Length 18; 88.9%; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                              Indels
                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 BP; 6 A; 2 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Rat dopamine D4 receptor related primer seq id 7.
                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
                                                                                                                                                                                            Example 1; Page 72; 182pp; English
                                                         Kallabis H
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1065 CTTTGCCTTCCTCCATTG 1082
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94US-00261293.
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27-FEB-2002; 2002EP-00004258
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es 16; Conservative
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                                                                                                                                                             infarction and stroke.
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                                                         Schwers S,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2004-009074/01.
                                                                                     WPI; 2003-712738/67
                             (FARB ) BAYER AG
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                                                          Stropp U,
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The present invention relates to a method for detecting Hepatitis B virus (HBV) covalently closed circular (ccc) DNA. The method comprises obtaining a sample of liver cells infected with HBV cccDNA virus from a patient, preparing at least one primer for applying to at least one end of the HBV cccDNA virus genome, where the probe comprises a dye duencher, and conducting a second PCR to bind at least one primer to at least one probe so that the dye and the dye quencher in the probe are separated allowing the HBV ccDNA virus to be detected through the dye. Also allowing the HBV ccDNA virus to be detecting cccDNA of HBV ccCDNA of the disclosed is a kit for the detection of HBV cccDNA of HBV ccCDNA in a patient. The method of the invention is useful for detecting cccDNA of HBV in the form of a HBV ccDNA genome from an infected liver cell and for providing cuidance to the patient undergoing long term anti-HBV therapy. The method is efficient, rapid, economical and highly sensitive in monitoring HBV CCDNA in infected human liver biopsies. The method is specific for HBV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Specific detection of Hepatitis B virus (HBV) covalently closed circular (ccc) DNA from liver cell biopsies by real-time PCR, useful for guiding
The invention describes an isolated nucleic acid encoding a rat D4 dopamine receptor. The invention is useful to treat disorders of the cardiovasculature or retinal tissue or prevent or treat disorders of neuronal morphology or connections. This sequence represents a primer used to isolate DNA encoding the rat dopamine D4 receptor.
                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis B virus; HBV; covalently closed circular DNA; cccDNA;
liver cell; anti-HBV therapy; liver biopsy; antiviral therapy; PCR;
                                                                                                                                                                                                              ö
                                                                                                                                                                  Score 14.8; DB 1; Length 18;
Pred. No. 1.1e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Hepatitis B virus (HBV) genomic DNA, PCR primer HBV-S-F.
                                                                                                                             Sequence 18 BP; 2 A; 6 C; 6 G; 4 T; 0 U; 0 Other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 15; SEQ ID NO 7; 17pp; English.
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0
                                                                                                                                                                                                                                                     540
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                                                                                                                                                                      0.9%;
88.9%;
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                                                                                                                                                                                                                                                     523 CTGTCCACCCTGTTGGCG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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                                                                                                                                                                                                                16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2004-338969/31.
                                                                                                                                                                    Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (LINM/) LIN M C M.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               25-MAR-2004.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM16806;
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                                                                                                                                                                                                              Matches
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136 GAGGCTGTGAAGGCACAA 153

कं d

18 GTGGCTGTGGAGGCACAA

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cccDNA as viral genomic DNA is not amplified. The persistence of HBV cccDNA is believed to be the major reason for relapse after HBV antiviral therapy, but prior art methods are poor at quantifying cccDNA in infected liver cells. The present sequence represents a PCR primer used in the
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                                                                                                                                                                                                                                                                                                                                                                                                                         Calpain, subunit, calcium, protease, mutation, treatment, detection, identification, diagnosis, limg girdle muscular dystrophy, LGMD2, calcium activated neutral protease, CANP, ss.
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                                                                                                                                                                       Score 14.8; DB 1; Length 18; Pred. No. 1.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                Calpain large subunit 1 gene exon 17 splice acceptor site.
                                                                                                                                                                                                  2; Indels
                                                                                                                                                Sequence 18 BP; 1 A; 8 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag= a
/label= Splice acceptor site.
                                                                                                                                                                                                  0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ASFR-) ASSOC FR CONTRE MYOPATHIES.
                                                                                                                                                                                                                          1041 CATCTTCATGCTGCT 1058
                                                                                                                                                                                                                                         1 CCTCTTCATCCTGCTGCT 18
                                                                                                                                                                                                                                                                                                                    BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          95WO-EP004575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    94EP-00402668
                                                                                                                                                                       Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                     AAT32495/c
ID AAT32495 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                                                                      method of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Beckmann J, Richard I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 1996-268611/27.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    22-NOV-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          21-NOV-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO9616175-A2
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                                                                                                                                                                                                                                                                                                                                              AAT32495;
Mon Nov
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Human; Notch3; transmembrane receptor; lateral inhibition; regulation; developmental cascade, neurogenic gene; mutant; neurological disorder; cerebral autosomal dominant arteriopathy; subcortical infarct; CADASIL; leukoencephalopathy; therapy; PCR; primer; amplification; ss.

Human Notch3 mutant gene primer N15BR.

(revised)
(first entry)

25-MAR-2003 21-DEC-1998

AAV57110;

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Gaps

BP

AAV57110 standard; DNA; 19

RESULT 179

AAV57110

(INRM ) INSERM INST NAT SANTE & RECH MEDICALE.

97FR-00004680. 96FR-00009733

16-APR-1997; 01-AUG-1996;

06-FEB-1998

ношо варіепв FR2751986-A1

Synthetic

Joutel A, Bousser MG, Bach JF;

WPI; 1998-133138/13.

Tournier LE,

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                                                                                                                                                                                                                                                                                                                                                                                                                                                primers AAV57066-V57162 are used to detect mutations in the human Notch3 gene (AAV57001). Primers AAV5109-V57110 amplify a 166 bp fragment from the EGF2-24 domain sequences found in exon 17. Notch3 is a transmembrane receptor protein involved in lateral inhibition and regulating developmental cascades of neurogenic genes. Mutated Notch3 proteins are thought to be involved in neurological disorders, especially of the crebral autosomal dominant arteriopathy with subcortical infarcts and leukoencephalopathy (CADASIL) type. Blocking expression of a mutated brotchi can be used to treat CADASIL or related disorders. (Updated on 25-MAR-2003 to correct PI field.)
                                                                                                                                                                                                                                                                                                                                                                          Human Notch3 nucleic acids - and methods for identifying pre-disposition to cerebral autosomal dominant arteriopathy with sub-cortical infarcts and leukoencephalopathy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 14.8; DB 1;
Pred. No. 1.2e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                              Example 3; Page 24; 45pp; French.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 691 GICCIGGICTICGAGCAG 708
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88.98;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           16;
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Gaps

; 0

0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 1.2e+02; tive 0; Mismatches 2; Indels

Query Match Best Local Similarity 88.9 Matches 16; Conservative

Sequence 19 BP; 4 A; 8 C; 3 G; 4 T; 0 U; 0 Other;

sites of the calpain large subunit 1 gene exons

The calpain large subunit I gene located on chromosome 15 codes for a calcium activated neutral protease (CAMP3) belonging to the calpain family. Mutations in the gene induce limb-girdle muscular dystrophy (LGMD) 2 disease. The gene, and fragments of it, can be used in the prevention, treatment, diagnosis and detection of a predisposition to LGMD2 disease. Fifty sequences (AAT32464-509) are given in the mplification which correspond to the splice donor and splice acceptor

Claim 16; Page 11; 66pp; English

Mon Nov

(first entry)

07-FEB-2000

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                                                                                                                                                                                                                                                                                                                                                          The present sequence is a reverse primer aal9 used for amplification and detection of mutations in paraplegin gene exon from hereditary spastic paraplegia (HSP) patients. Detection of mutations in paraplegin gene helps in the diagnosis and treatment of various forms of HSP or other neurodegenerative conditions, such as Amyotrophic Lateral Sclerosis
                                                                                                                                                                                                                                                                                                   A novel protein associated to hereditary spastic paraplegia used for the diagnosis of neurodegenerative conditions.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ribozyme; hairpin; hammerhead; gene therapy; vasotropic; restenosis; ss.
                                              Reverse primer aa19; paraplegin; human; hereditary spastic paraplegia; HSP; mutation; diagnosis; treatment; neurodegenerative condition; Amyotrophic Lateral Sclerosis; ALS; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
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                       for amplification of paraplegin gene exon.
                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 2 A; 11 C; 1 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Robbins JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         241 CCTCTGCCCCCACCTCCC 258
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Barber JR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               18
                                                                                                                                                                                                                                                                                                                                      Claim 4; Fig 3; 53pp; English
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                                                                                                                                                                                                       98IT-MI001003.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  16; Conservative
                                                                                                                                                                                                                                                     Casari G;
                                                                                                                                                                                                                             (TELE-) FOND TELETHON
                       Reverse primer aal9
                                                                                                                                                                                                                                                                           WPI; 2000-039065/03.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO200032765-A2
                                                                                                          Homo sapiens.
                                                                                                                                W09958556-A2
                                                                                                                                                                               06-MAY-1999;
                                                                                                                                                                                                       08-MAY-1998;
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                                                                                                                                                                                                                                                    Ballabio A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         04-DEC-2000
                                                                                                                                                       18-NOV-1999
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                                                                                             Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Treating proliferative skin or eye diseases and scarring, using ribozymes that cleave RNA encoding cytokines involved in inflammation, matrix metalloproteinases, growth factors and cell-cycle dependent kinases.
                                                                                                                                                                                                                                                        ä
                                                                                                                                          The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1.
Representative examples of inbozyme recognition sites are given in AAA82415 to AAA86787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme is resistant to endonuclease activity and hence is efficient in restenosis treatment
                                  New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1, PCNA and Cyclin B1.
                                                                                                                                                                                                                                                                                                                                                                                   Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes a method for treating a proliferative
                                                                                                                                                                                                                                                                                                                                                                                   ;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar;
                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.8; DB 1; Length 19; ilarity 88.9%; Pred. No. 1.2e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 3 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cyclin E ribozyme binding site SEQ ID NO:2314.
                                                                                                          Disclosure; Page 81; 109pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 1; Page 240; 408pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                       110 ACTIGGTACAATGGACCC 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           26-OCT-2000; 2000WO-US029500.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       19 Actrigeracianceasecc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              sickle cell retinopathy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAH59890 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        10-SEP-2001 (first entry)
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WPI; 2000-412314/35
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Matches 16; Conser
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-MAY-2001
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                                                                                                                                                                                                                                                                                                                                                   Query Match
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Gaps

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Length 19; 2; Indels

Score 14.8; DB 1; Pred. No. 1.2e+02; 0; Mismatches 2;

0.9%;

Query Match Best Local Similarity 88.9 Matches 16; Conservative

1044 CTTCATGCTGCTGCTCAT 1061 cricardcrecaccicar 19

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Sequence 19 BP; 3 A; 8 C; 2 G; 6 T; 0 U; 0 Other;

The invention describes an isolated polypeptide comprising any of 33 90-723 amino acid sequences (I) given in the specification or its mature form, a sequence that is at least 95 % identical to (I), or a sequence comprising one or more conservative substitutions in the amino acid sequence of (I). The polypeptide is useful for preparing a composition for treating or preventing e.g. cancer. This sequence represents a primer used to isolate DNA encoding a novel human NOV protein

New DAPK3 polypeptide, useful for preparing a composition for treating or

Example 20C; Page 192; 253pp; English

preventing e.g., cancer.

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ribozyme (I) which cleaves RNA encoding a cytokine involved in ribozyme (I) which cleaves RNA encoding a cytokine involved in inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle dependent kinase, growth factor or a reductase, or administering a nucleic acid molecule (II) comprising a promoter operably linked to a cucleic acid segment encoding (I) (I) can have antipsoriatic, dermatological, cytostatic, antiseborrhaic, antidabetic, antisickling, cleaves RNA encoding cytokine involved in inflammation. (I) can be used in gene therapy. (I) and (II) are useful for treating proliferative skin diseases such as psoriasis, atopic dermatitis, actinic keratosis, equamous or basal cell carcinoma and viral or seborrheic wart. They can also be used for treating proliferative eye diseases such as diabetic retinopathy, virreoretinopathy, sickle cell retinopathy, retinopathy of prematurity and retinal detechment, and for treating and preventing carring such as keloid, adhesion and hypertrophic or hypertrophic burn carring such as keloid, adhesion and hypertrophic or hypertrophic burn control or seporation and carring seed in the
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; cytostatic; DAPK3-Agonist; DAPK3-Antagonist; cancer; NOV; PCR;
primer; 88.
                                                                                                                                                                                                                                                                                                                                                              Gaps
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0
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Pred. No. 1.2e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel human protein identification related primer #7.
                                                                                                                                                                                                                                                                                                 Seguence 19 BP; 3 A; 5 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                                   exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                            110 ACTIGGTACAATGGACCC 127
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2001US-0327454P.
2001US-0327917P.
2001US-0328054P.
2001US-032849P.
2001US-0329414P.
2001US-0341054P.
2001US-0341058P.
                                                                                                                                                                                                                                                                                                                                                                                                                         19 ACTTGGTACAACGGAGCC 2
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2001US-0346357P.
2002US-0391342P.
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                                                                                                                                                                                                                                                                                                                            Match 0.9%;
Local Similarity 88.9%;
les 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 (first entry)
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15-OCT-2001;
17-OCT-2001;
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09-OCT-2001;
09-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
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Matches
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The present invention describes an isolated nucleic acid (1) comprising a single nucleotide polymorphism (SNP) chosen from: (i) a nucleic acid of salmo salar SNPs, Oreochromis niloticus SNPs or Atlantic halibut SNPs; and (ii) a nucleic acid having nucleotide sequence that hybridises to (i), or its complement under highly stringent hybridisation conditions. Also described: (i) an isolated oligonucleotide (II) comprising at least 17 contiguous nucleotides of insolated oligonucleotide sequence of S. salar SNPs, or niloticus SNPs, O. niloticus microsatellites, Atlantic halibut SNPs, cod
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel isolated nucleic acid molecule comprising single nucleotide polymorphism associated with fish, useful for forming PCR primers which are used for detecting single nucleotide polymorphisms in fish nucleic
                                                                                                                                                                        single nucleotide polymorphism; SNP; fish; Salmo salar;
Orechromis niloticus; Atlantic halibut; microsatellite; cod;
polymorphic site; seabass; salmonidae; Tilapia; rainbow trout; halibut;
                                                                                                                                          Oreochromis niloticus microsatellite primer SEQ ID NO:1151,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 18; SEQ ID NO 1151; 233pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lingaas F;
                                   ВР.
                                                                                                                                                                                                                                                                                                                                                                                                 17-JAN-2003; 2003WO-IB000112.
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16-AUG-2002; 2002US-0404200P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Lie O, Slettan A, Hoyum M,
                                   ADD20516 standard; DNA; 19
                                                                                                      15-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                     Synthetic.
Oreochromis niloticus.
                                                                                                                                                                                                                                     detection; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (GENO-) GENOMAR ASA
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                                                                                                                                                                                                                                                                                                                           WO2003060160-A2.
                                                                                                                                                                                                                                                                                                                                                               24-JUL-2003.
                                                                     ADD20516;
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RESULT 184
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Kekuda R; JK, Spytek KA; Chaudhuri A;

DK,

, Burgess CE, Catterton E, Chant JS, Gerlach VL, Giot L, Gorman L, Guo X, Hillet I, Ooi CE, Patturajan M, Rieger Zerhusen BD, Zhong H, Zhong M;

Edinger SR, Gerlach Mezes PS, Millet I,

Caupier RJ,

Alsobrook JP,

WPI; 2003-381704/36

01-NOV-2001; 2001US-0346357P. 25-JUN-2002; 2002US-0391342P. 01-OCT-2002; 2002US-0026244S.

(CURA-) CURAGEN CORP

polymorphic sites and seabass polymorphic sites, or their complement; (2) a primer pair (III) suitable for use in PCR, comprising two (II) capable of amplifying a nucleotide sequence chosen from S. salar SNPs and, O. niloticus sites and seabase solymorphic sites and seabase polymorphic sites and determining (MI) the origin of fish sample comprising providing a parentage genotype database comprising a collection of candidate parent genotype where each of the candidate parent genotype represents a distinct origin, and comparing a sample genotype to the parentage genotype database, where a match between the sample such as family salmonidae, S. salar, Tilapia, O. niloticus, a fish sample such as family salmonidae, S. salar, Tilapia, O. niloticus, cathow trout, halibut, seabass and Atlantic cod, (II) is useful for detecting nucleic acid molecule comprising SNP in a sample, which cannot comparing the sample containing nucleic acid molecule comprising such a sample, which cathod from nucleotide sequence of S. salar SNPs and O. niloticus SNPs, and identifying uncleic acid that hybridises to (II) (II) is useful for sequence in a sample, comprising contacting the sample containing nucleic acid salar symps and O. niloticus substants and the sample, comprising contacting the sample containing nucleic acid salar symps and O. niloticus substantic halibut SNPs, cod polymorphic sites, and identifying a nucleic acid molecule containing nucleic acid molecule comprising a nucleic acid molecule containing the present containing nucleic acid molecule comprising a nucleic acid molecule comprising contacting the sample substant sonners is The present sequence is used in the exemplification of the present invention. comprising a microsatellite sequence in sample. 

Sequence 19 BP; 1 A; 4 C; 7 G; 7 T; 0 U; 0 Other;

ö Gaps .. 0 Score 14.8; DB 1; Length 19; Pred. No. 1.2e+02; 0; Mismatches 2; Indels ch 1 Similarity 88.9%; 16; Conservative Query Match Best Local Similarity Best Loca Matches ઠ

셤

RESULT 185 ADD2051

ADD20519 standard; DNA; 19 BP 15-JAN-2004 (first entry) ADD20519; 

Oreochromis niloticus microsatellite primer SEQ ID NO:1154.

single nucleotide polymorphism; SNP; fish; Salmo salar; Orechromis niloticus; Atlantic halibut; microsatellite; cod; polymorphic site; seabass; salmonidae; Tilapia; rainbow trout; halibut; detection; primer; sa

Synthetic. Oreochromis niloticus.

WO2003060160-A2.

24-JUL-2003

17-JAN-2003; 2003WO-IB000112. 18-JAN-2002; 2002US-0349950P. 16-AUG-2002; 2002US-0404200P.

GENO-) GENOMAR ASA

Slettan A, Hoyum M, Lingaas F; Lie O,

WPI; 2003-627388/59.

Novel isolated nucleic acid molecule comprising single nucleotide polymorphism associated with fish, useful for forming PCR primers which are used for detecting single nucleotide polymorphisms in fish nucleic

92US-00882712. 94US-00193627. 99US-00436430.

14-MAY-1992; 07-FEB-1994; 08-NOV-1999;

16-SEP-2002; 2002US-00244647.

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The present invention describes an isolated nucleic acid (I) comprising a single nucleotide polymorphism (SNP) chosen from: (I) a nucleic acid of salmo salars SNPs, Oreochromis niloticus SNPs or Atlantic halibut SNPs; and (ii) a nucleic acid having nucleotide sequence that hybridises to (I), or its complement under highly stringent hybridisation conditions. Also described: (I) an isolated oligonucleotide (II) comprising at least of nucleotides sequence of S. salar SNPs, O. niloticus MnSs, O. niloticus microsatellites, Atlantic halibut SNPs, cod polymorphic sites and seabass polymorphic sites, or their complement; (2) a primer pair (III) suitable for use in PCR, comprising to (II) capable (C) a mplifying a nucleotide sequence chosen from S. salar SNPs and, O. niloticus microsatellites, Atlantic halibut SNPs, cod polymorphic sites and seabass polymorphic sites; and determining (MI) the corigin of fish sample comprising providing a parentage genotype database comprising a collection of candidate parent genotype database comprising a collection of candidate parent genotype database comprising a collection of the candidate parent genotype identifies to the sample genotype and one of the candidate parent genotype identifies contention of the sample. (MI) is useful for determining the origin of the sample containing nucleic acid molecule comprising SNP in a sample, which cardinolecting nucleic acid molecule comprising SNP in a sample, which cannot be contained that hybridises to (II) (II) is useful for detecting nucleic acid molecule comprising solution of the sample containing nucleic acid molecule containing nucleic acid solution of the sample containing nucleic acid molecule containing nucleic acid molecule cand molecule cand molecule containing nucleic acid molecule cand molecule containing nucleic acid molecule acid molecule containing nucleic acid molecule containing nuclei
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sequence in a sample, comprising contacting the sample containing nucleic acids with one or more (II) which is derived from 0. niloticus microsatellite, 0. niloticus SNPs, Atlantic halibut SNPs, cod polymorphic sites or seabass polymorphic sites, and identifying a nucleic acid that hybridises to (II). (III) is useful for detecting nucleic acid molecule comprising a microsatellite sequence in sample. The present sequence is used in the exemplification of the present invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Virucide; Hepatotropic; Gene therapy; ss; short interfering nucleic acid; siNA; hepatitis B virus; HBV; RNA interference.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 1.2e+02;
trive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 19 BP; 1 A; 4 C; 7 G; 7 T; 0 U; 0 Other;
                                                                                    SEQ ID NO 1154; 233pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1272 GGGTGTGTTCCTGGTCTC 1289
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADM00095 standard; RNA; 19 BP.
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Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                    Claim 18;
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acids.
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The invention relates to a short interfering nucleic acid (siNA) molecule that down-regulates expression of a hepatitis B virus (HBV) gene by RNA interferance or that inhibits HBV replication. Also disclosed are the following: (1) a method of modulating the expression of a HBV gene in a tissue explant; (ii) a method of generating a library of siNA constructs molecules; (iv) a kit containing a siNA molecule which can be used to modulate the expression of a HBV target gene in a cell, tissue or cyganism; and (v) a method for synthesising a siNA molecule. The siNA molecule is adapted for use to treat HBV infection, and comprises a sense and an antisense region, where the antisense region comprises sequence complementary to an RNA sequence encoding HBV and the sense region comprises the molecule is assembled from 2 nucleic acid fragment comprises the molecule sense region and the second fragment comprises the comprises region and the second fragment comprises the antisense region and the sense region and the connected via a linker molecule. Where sense region and the antisense region comprises and are covalently connected via a linker molecule. The linker molecule is a polynucleotides. In the reminal overhang and the antisense region comprises a 3'-terminal coverhang. The sink fund has hepstitis B virus the encoding HBV. The sink is useful for treating hBW. The sink is the sense region fragment of an encoding HBV. The sink is useful for treating human hepstitis B virus the encoding HBV. The sink is treating formations of functions for the sink for the sink is the sense fragion for the sink for the sink is complementary to RNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for characterizing gene function.
                                                                                                                                                                                                                                                                                                                                                                                                                     Morrissey D, Mcswiggen JA, Beigelman L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 11; Page 48; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              siNA molecules of the invention.
                                                                                08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0335059P.
20-FEB-2002; 2002US-035850P.
11-MAR-2002; 2002US-0363124P.
                                                                                                                                                                                           26-MAR-2002; 2002WO-US009187.
06-JUN-2002; 2002US-0386782P.
29-AUG-2002; 2002US-0406784P.
05-SEP-2002; 2002US-040878P.
                                                                                                                                                                                                                                                                                     09-SEP-2002; 2002US-0409293P.
                                                                                                                                                                                                                                                                                                                         (MORR/) MORRISSEY D. (MCSW/) MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                          BEIG/) BEIGELMAN L.
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                                      24-OCT-2000; 2
08-JUN-2001; 2
08-JUN-2001; 2
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infections, and for characterising pathways of gene function, e.g. to inhibit activity of target genes in a pathway to determine the function of uncharacterised genes in gene function analysis. The siNx-molecules may also be used in clinical, industrial, environmental, agricultural and/or research settings. The present sequence represents 1 of 1504 HBV Sequence 19 BP; 1 A; 8 C; 2 G; 0 T; 8 U; 0 Other;

Score 14.8; DB 1; Length 19; Pred. No. 1.2e+02; 7; Mismatches 2; Indels 0.9%; 50.0%; Query Match
Best Local Similarity 50.0°
Matches 9; Conservative

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Gaps

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1041 CATCTTCATGCTGCTGCT 1058

ò g

2 CCUCUUCAUCCUGCU 19

RESULT 187 ADM00721/c

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Virucide; Hepatotropic; Gene therapy; 88; short interfering nucleic acid; siNA; hepatitis B virus; HBV; RNA interference.
                                                Hepatitis B virus short interfering nucleic acid (siNA) #1137.
                                                                                                                                                                                                                                                                                                                             Beigelman L;
                                                                                                                                                                                09-AUG-2000; 2000US-00636285.
24-CCT-2000; 2000US-00696347.
08-UUN-2001; 2001US-0296876P.
24-CCT-2001; 2001US-0236876P.
25-DCCT-2001; 2001US-0335959P.
05-DEC-2001; 2001US-0335959P.
11-MAR-2002; 2002US-035880P.
    ADM00721 standard; RNA; 19 BP.
                                                                                                                                     16-SEP-2002; 2002US-00244647.
                                                                                                                                                           94US-00193627
99US-00436430
                                                                                                                                                                                                                                                2002WO-US009187
                                                                                                                                                                                                                                                                                                                             Morrissey D, Mcswiggen JA,
                                                                                                                                                                                                                                                                       05-SEP-2002; 2002US-0408378P
09-SEP-2002; 2002US-0409293P
                                                                                                                                                                            2000US-00531025
                                                                                                                                                                                                                                                                2002US-0406784P
                                   20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                             (MORR/) MORRISSEY D.
(MCSW/) MCSWIGGEN J.A.
(BEIG/) BEIGELMAN L.
                                                                                                                                                                                                                                                                                                                                           WPI; 2003-901032/82.
                                                                                        Hepatitis B virus
                                                                                                      JS2003206887-A1.
                                                                                                                                                                                                                                                 6-MAR-2002;
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                                                                                                                                                                            20-MAR-2000;
                                                                                                                      06-NOV-2003
                                                                                                                                                           07-FEB-1994
08-NOV-1999
                   ADM00721;
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New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for characterizing gene function.

Claim 11; Page 47; 72pp; English.

The invention relates to a short interfering nucleic acid (siNA) molecule that down-regulates expression of a hepatitis B virus (HBV) gene by RNA interference or that inhibite HBV replication. Also disclosed are the collowing: (1) a method of generating the expression of a HBV gene in a cilenterence or that inhibits have expression of a HBV gene in a cilenterence or more sinal predetermined complexity; (iii) a cell containing one or more sinal molecules; (iv) a kit containing a sinal molecule which can be used to modulate the expression of a HBV target gene in a cell, tissue or companien; and (v) a method for synthesisting a sinal molecule. The sinal molecule is adapted for use to treat HBV infection, and comprises a sense and an antisense region, where the antisense region comprises sequence complementary to an RNA sequence encoding HBV and the sense region comprises the sense region and the sense region of the sinal antisense region of the sinal molecule, where sense region and the connected via a linker molecule, where sense region and the antisense region comprises a linker molecule. The linker molecule is a polynucleotide inner or a non-nucleocide influker. The sense region comprises a 3'-terminal overhang and the antisense region comprises a 3'-terminal coverhang and the antisense region comprises a 3'-terminal coverhang and the antisense region comprises a 3'-terminal coverhang and the antisense region comprises a cucleotides.

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The antisense region 3'-terminal overhang is complementary to RNA encoding HBV. The siNA is useful for treating human hepatitis B virus infections, and for characterising pathways of gene function, e.g. to inhibit activity of target genes in a pathway to determine the function of uncharacterised genes in gene function analysis. The siNA molecules may also be used in clinical, industrial, environmental, agricultural and/or research settings. The present sequence represents 1 of 1504 HBV
                                                                                                                                                                                                   Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                Hepatitis B virus short interfering nucleic acid (siNA) #1157.
                                                                                                                                                                Match 0.9%; Score 14.8; DB 1; Length 19; Local Similarity 88.9%; Pred. No. 1.2e+02; les 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                      Sequence 19 BP; 7 A; 2 C; 8 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Morrissey D, Mcswiggen JA, Beigelman L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 11; Page 48; 72pp; English.
                                                                                                                                                                                                                                 1041 CATCTTCATGCTGCTGCT 1058
                                                                                                           sinA molecules of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             07-FEB-1994; 94US-00193627.

08-NOV-1999; 94US-00193627.

08-NOV-1999; 99US-0013623.

09-AUG-2000; 2000US-00636385.

24-OCT-2000; 2000US-00696347.

08-JUN-2001; 2001US-00877478.

08-JUN-2001; 2001US-0335059P.

24-OCT-2001; 2001US-0335059P.

05-DEC-2001; 2001US-0335059P.

11-MAR-2002; 2002US-036184P.

26-MN-2002; 2002WO-US009187.

26-JUN-2002; 2002WO-US009187.

26-JUN-2002; 2002US-036784P.

05-SEP-2002; 2002US-040878P.

05-SEP-2002; 2002US-040878P.
                                                                                                                                                                                                                                                              19 ccrcrrcarccrccrccr 2
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                                                                                                                                                                                                                                                                                                                                           ADM00741 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                        (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               MORRISSEY D.
MCSWIGGEN J A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-901032/82.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hepatitis B virus.
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                                                                                                                                                                        Query Match
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Matches
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The invention relates to a subto. Intertering increase acta (SLAIM) moderate that down-regulates expression of a hepatitis B virus (HBV) gene by RNA interference or that inhibits HBV replication. Also disclosed are the interference or that inhibits HBV replication. Also disclosed are the collowing: (i) a method of generating a library of a HBV gene in a collowing; (i) a method of generating a library of alMA constructs considered complexity; (iii) a cell containing one or more sinh molecules; (iv) a kit containing a sinh molecule which can be used to complement the expression of a HBV target gene in a cell; tissue or complement is adapted for use to treat HBV infection, and comprises a sense complementary to an RNA sequence encoding HBV and the sense region. Where the antisense region comprises sequence complementary to the antisense region comprises the sense region and the second fragment comprises the sense region and the second fragment comprises the comprises the sense region and the second fragment comprises the antisense region ond the sold fragment comprises a 3'-terminal commected via a linker molecule. The linker molecule is a polynucleotide. Comprises region on the antisense region comprises a 3'-terminal overhang and the antisense region of the sink molecule for comprises a 3'-terminal coverhang and the antisense region of the sink is useful for treating human hepatitis B virus controlled and for characterising pathways of gene function, e.g. to inhibit activity of target genes in a pathway to determine the function comprises and/or research settings. The plant perpendence represents 1 of 1504 HBV and/or research settings. The present sequence represents 1 of 1504 HBV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Virucide; Heparotropic; Gene therapy; ss; short interfering nucleic acid; siNA; hepatitis B virus; HBV; RNA interference.
        interfering nucleic acid (siNA) molecule
f a hepatitis B virus (HBV) gene by RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 19 BP; 8 A; 2 C; 8 G; 0 T; 1 U; 0 Other;
              The invention relates to a short
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1041 CATCTTCATGCTGCT 1058
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20-WAR-2000; 2000US-00531025.
24-CCT-2000; 2000US-00695347.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0335659P.
05-DEC-2001; 2001US-0335055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US2003206887-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      07-FEB-1994;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-NOV-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADM00075;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 189
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADM00075
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 ${ t gibbs 026 - 3.rng}$ 

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The invention relates to a short interfering nucleic acid (siNA) molecule that down-regulates expression of a hepatitis B virus (HBV) gene by RNA interferance or that inhibite HW replication. Also disclosed are the following: (i) a method of modulating the expression of a HBV gene in a tiseus explant; (ii) a method of modulating the expression of a HBV gene in a classification or more sinal molecules; (iv) a kit containing a siNA molecule which can be used to modulate the expression of a HBV target gene in a cell, tissue or coganism; and (v) a method for synthesising a siNA molecule. The siNA molecule is adapted for use to treat HBV infection, and comprises a sense and an antisense region, where the antisense region comprises sequence complementary to the antisense region comprises sequence complementary to the antisense region of the siNA acquence encoding HBV and the sense region comprises the sense region and the actisense region of the siNA molecule. The siNA molecule is assembled from 2 nucleic acid fragment comprises the sense region and the second fragment comprises the sense region and the second fragment comprises the antisense region of the siNA molecule. The linker molecule is a polynucleotides. Inker and a linker molecule. The linker molecule is a polynucleotides. Comprises ergion of the antisense region comprise separate oligonucleotides, and are covalently coverhang. The 3'-terminal overhang seach comprises a 3'-terminal overhang and the antisense region comprises a 3'-terminal coverhang and the antisense region ocomprises and or the function of uncharacterised genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the function and/or separate fluction and ysis. The sink molecule and or the invention gene function analysis. The sink molecule in a pathway to determine the function and/or research setting or pare function and particle may also be used in clinical, industrial, envivormental, and inclinical, industrial, envivormental, and particule of the inven
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human HER1 (EGFR) transcript target sequence/siNA upper strand, SEQ:569.
                                                                                                                                                                                                                                                                                                                                                      New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for characterizing gene function:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 19 BP; 2 A; 8 C; 2 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                  Morrissey D, Mcswiggen JA, Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 11; Page 47; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1041 CATCTTCATGCTGCTGCT 1058
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        siNA molecules of the invention.
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                                                            2002US-0386782P.
2002US-0406784P.
2002US-0408378P.
                    2002US-0363124P.
2002WO-US009187
                                                                                                           05-SEP-2002; 2002US-0408378P.
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ID ADL/9404 standard; RNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
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                                                                                                                                                                                                 MCSWIGGEN J A.
                                                                                                                                                                                                                        BEIGELMAN L.
                                                                                                                                                                              MORRISSEY D.
                                                                                                                                                                                                                                                                                                               WPI; 2003-901032/82
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                                                                 06-JUN-2002;
                                                                                      29-AUG-2002;
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                                       26-MAR-2002;
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BXAXEXB
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The invention relates to short interfering nucleic acids (sink) which downregulate expression of one or more human epidermal growth factor computation (sink) genes (including HERA) HERA and HERA) by RNA interference. The sinks may or may not comprise ribonuclectides and may be double or single stranded. They further comprise sense and antisense regions, or alternatively are assembled from a sense oligonuclectide and an antisense oligonuclectide. Specifically, the sinks include short interfering RNA (shrNA), double-stranded RNA, micro-RNA (mirNA) and short interfering RNA (shrNA), The sinks can be unmodified or chemically modified, can contain deoxyribonuclectides, and can be chemically synthesised, cand/or complexes of sink) and vectors that express sink, conjugates and overtice that express sink. The sinks are used to modulate expression of EGFK genes in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants or treating a wide range of cancers such as breast and ovarian cancer. The catering a wide range of cancers such as breast and ovarian cancer. The sinks are also useful for drug screening, diagnosis, therapeutic target confidenticion, and gene mapping (e.g., of single nucleotide contains and validation, genetic engineering, pharmacogenomics, studying gene function, and gene mapping (e.g., of single nucleotide contains the upper strand of a them when HERI (EGFR)-targeted double-etranded sink, which is identical to New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth RNA interference; short interfering nucleic acid; siNA; short interfering RNA; slRNA; double-stranded RNA; micro-RNA; miRNA; short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; cancer; cytostatic; human; oncogene; epidermal growth factor receptor; EGFR; Fosnaugh K, Jamison S; Example 3; SEQ ID NO 569; 171pp; English. HER1; c-erb-B-1; target sequence; ss. Beigelman L, 2002US-0406784P. 2002US-0408378P. 2002US-0409293P. 2002US-00251117. 2002US-00163552. 2002US-0386782P. 2002US-0393924P. 2002WO-US016840 20-FEB-2003; 2003WO-US005045 15-JAN-2003; 2003US-0440129P (RIBO-) RIBOZYME PHARM INC. Mcswiggen J, Pavco P, factor receptor gene. WPI; 2003-697612/66. WO2003070912-A2 29-AUG-2002; 05-SEP-2002; 09-SEP-2002; 19-SEP-2002; 06-JUN-2002; 06-JUN-2002; -03-JUL-2002; Homo sapiens. 21-OCT-2002; 29-MAY-2002; 28-AUG-2003 

ö Gapa ö Length 19; 2; Indels Sequence 19 BP; 7 A; 8 C; 1 G; 0 T; 3 U; 0 Other; Score 14.8; DB 1; Pred. No. 1.2e+02; 0; Mismatches 2; the HER1 transcript target sequence. 0.9**%**; 88.9**%**; 16; Conservative Paguery Match Best Local Similarity Matches

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Gaps

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GATGGAGGTGCAGCATTT 359

342

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downregulate expression of one or more human epidermal growth factor receptor (BGFR) genes (including HER1, HER2 HER3 and HER4) by RNA interference. The sinks may or may not comprise stand HER4) by RNA interference. The sinks may or may not comprise sense and many be double or single stranded. They further comprise sense and matisense regions, or alternatively are assembled from a sense oligonucleotide and an antisense oligonucleotide. Specifically, the sinks include short interfering RNA (sirkNA), double-stranded RNA, micro-RNA (miRNA) and short interfering RNA (sirkNA), double-stranded RNA, micro-RNA (miRNA) and short hairpin RNA (sirkNA). The siNAs can be unmodified or chemically modified, expressed from a vector or enzymatically synthesised. The invention also relates to kits for the in vitro or in vivo delivery of siNA, conjugates and/or complexes of siNA, and vectors that express siNA. The siNAs are used to modulate expression of EGER genes in cells, tissue explants or organisms (e.g., by ex vivo gene therapy), or in grafts and transplants correcting a wide range of cancers such as breast and ovarian cancer. The siNAs are also useful for drug screening, diagnosis, therapeutic target
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New short interfering nucleic acid, useful e.g. for treatment and diagnosis of cancer, downregulates expression of the epidermal growth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to short interfering nucleic acids (siNA) which
                                                                                                                                                                                                                                                                                RNA interference; short interfering nucleic acid; siNA; short interfering RNA; siRNA; double-stranded RNA; micro-RNA; miRNA, short hairpin RNA; shRNA; expression modulation; gene therapy; drug screening; diagnosis; therapeutic target identification; pharmacogenomics; gene function analysis; gene mapping; cancer; cytostatic; human; oncogene; epidermal growth factor receptor; EGFR; HER1; c-exb-B-1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Jamison S;
                                                                                                                                                                                                                                            Human HER1 (EGFR) siNA lower strand, SEQ ID NO:876
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fosnaugh K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 3; SEQ ID NO 876; 171pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Mcswiggen J, Pavco P, Beigelman L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-MAR-2002; 2002US-0363124P.
29-MAY-2002; 2002US-0363124P.
66-JUN-2002; 2002US-036352.
66-JUN-2002; 2002US-0386782P.
29-AUG-2002; 2002US-0389394P.
29-AUG-2002; 2002US-0406784P.
65-SEP-2002; 2002US-0408378P.
19-SEP-2002; 2002US-040823P.
19-SEP-2002; 2002US-040823P.
11-MAN-2003; 2002US-062374494.
                                                                                                                      ADL79711 standard; RNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-FEB-2003; 2003WO-US005045.
(RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2003070912-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                     20-MAY-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             28-AUG-2003
                      19
                                                                                                                                                             ADL79711;
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Cytostatic, antidiabetic; anorectic; cerebroprotective; neuroprotective; wantinflammatory; thyromimetic; gene therapy; antisense therapy; wantinflammatory; thyromimetic; gene therapy; antisense therapy; www. NoVX polyPeptide related disorder; cancer; diabetes; obesity; wandorine disorder; CNS disorder; inflammatory disorder; checken; chromosome mapping; tissue typing; predictive medicine; chromosome mapping; tissue typing; predictive medicine; was 210038H17RK membrane protein-like protein; sorting nexin 6-like protein; was 210038H17RK membrane protein-like protein; chromosome specific protein; was 573045109RK cyclin-like protein, companient of the protein; was protein-like protein; chromosome ch
                                                                                                                                                                                                             ö
identification and validation, genetic engineering, pharmacogenomics, studying yene function, and gene mapping (e.g., of single nucleotide polymorphisms). The present sequence represents the lower strand of a human HERI (EGRR)-targeted double-stranded siNA.
                                                                                                                                                                                                                Gaps
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0
                                                                                                                                                             0.9%; Score 14.8; DB 1; Length 19;
61.1%; Pred. No. 1.2e+02;
tive 5; Mismatches 2; Indels
                                                                                                                 Sequence 19 BP; 3 A; 1 C; 8 G; 0 T; 7 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Novel human protein Nov9 probe segid 84.
                                                                                                                                                                                                                                                           342 GATGGAGGTGCAGCATTT 359
                                                                                                                                                                                                                                                                                    1 GAUGGAGGUGCAGUUUUU 18
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22-0CT-2001; 2001US-0341058P.
24-0CT-2001; 2001US-0349575P.
01-NOV-2001; 2001US-0349577P.
25-UUN-2002; 2002US-0391342P.
                                                                                                                                                                                                                                                                                                                                                                                                                         ADO09390 standard; DNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2001US-0328056P.
2001US-0328849P.
2001US-0329414P.
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2001US-0328029P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          01-OCT-2002; 2002US-00262445
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2001US-0327454P
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                                                                                                                                                                                                             11; Conservative
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BURGESS C E.
CATTERTON E.
                                                                                                                                                                                        Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  12-OCT-2001;
15-OCT-2001;
17-OCT-2001;
22-OCT-2001;
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09-OCT-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            09-OCT-2001;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADO09390;
                                                                                                                                                             Query Match
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(CATT/)
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                                                                                                                                                                                                             Matches
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Human KDR VEGF receptor hammerhead ribozyme substrate #73

28-JUL-1999 (first entry)

AAX71061;

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The invention describes a new isolated polypeptide (I) comprises a fully defined sequence of, a mature form, one or more conservative substitutions or at least 95% identity to 158 amino acids SEQ ID NO: 2n as given in the specification, where n is an integer between 1-33. The novel proteins of the invention are members of the following families: novel proteins of the invention are members of the following families: 210038H17RK membrane (TmSP) proteins; sorting nexin 6-like proteins; 2110038H17RK membrane (TmSP) proteins; LRP16 proteins; 57345109RK cyclin-like proteins; phosphatidylethanolamine-biniding protein: Like proteins; cimmunoglobulin-like LRR-domain containing protein: LRP16 proteins; cimmunoglobulin-like LRR-domain containing proteins; NUMB binding protein alpha-like proteins; actin-binding protein: Anyps0-like proteins; actin-binding protein; related proteins; actin-binding protein; habit alpha-like proteins; chemicallular carcinoma autoantigen-like proteins; raph-delta-like proteins; chemicallular carcinoma autoantigen-like proteins; raph-delta-like proteins; and tumour protein p53-binding protein 2-like proteins; chemicallular carcinoms of sequence containing protein 130-like proteins; and tumour protein p53-binding protein 2-like proteins; chemicallular carcinoms of disorders associated with aberrant expression or activity of the NoVX polypeptide, such as cancer, diabetes, obesity, and endocrine. CNS and inflammatory disorders. They can also be used in chance and endocrine. CNS and inflammatory disorders. They can also be used in chance and endocrine. CNS and inflammatory disorders. They can also be used in chance and endocrine. This sequence represents a probe used in the containing assays, chromosome mapping, tissue typing and predictive medicine. This sequence represents a probe used in the containing and predictive medicine in the novel human polypeptide of the invention.
                                                                                                                                                                                                                                                                                                                                                                                               Alsobrook JP, Burgess CE, Catterton E, Chant JS, Chaudhuri A;
Edinger S, Gerlach V, Giot L, Gorman L, Guo X, Kekuda R, Mezes PS;
Millet I, Ooi CE, Patturajan M, Rieger DK, Spytek KA, Taupier RJ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated NOVX polypeptides and nucleic acid molecules useful for treating, preventing and diagnosing pathological conditions with NOVX-associated disorders, such as cancer, obesity, diabetes and inflammatory
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14.8; DB 1; Length 19;
Pred. No. 1.2e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 3 A; 8 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example 20C; SEQ ID NO 84; 164pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Zerhusen BD, Zhong H, Zhong M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 88.9 Matches 16; Conservative
                                                                                                                                                                                                       OOI C E.
PATTURAJAN M.
RIEGER D K.
SPYTEK K A.
TAUPIER R J.
ZERHUSEN B D.
CHANT J S.
CHAUDHURI A.
EDINGER S.
GERLACH V.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-108207/11.
                                                                                                                                        KEKUDA R.
MEZES P S.
MILLET I.
                                                                                  GIOT L.
GORMAN L.
                                                                                                                                                                                                                                                                                                                                     ZHONG H.
ZHONG M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               or CNS diseases.
                                                                                                                                                                                                                                                                                                                                   ZHON/)
                                                                                                                                                                                                                                                                        (SPYT/)
(TAUP/)
(ZERH/)
CHAN/)
                                                                                                                         (GUOX/)
(KEKU/)
(MEZE/)
(MILL/)
(OOIC/)
                                                                                  (GIOT/)
                                                                                                                                                                                                                                                     RIEG/)
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synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VGGF). A patient (preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (Lit-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour anglogeneeis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                 Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The present invention describes nucleic acid molecules which modulate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; se; antisense therapy; cytostatic; antiinflammatory; haemostatic; erebroprotective; noctropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; bNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 4; Page 99; 218pp; English.
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96US-00584040.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     122 GGACCCGACACATGGA 137
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hes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human CD20 Inozyme #154.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Pavco P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-259017/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                             CHIR ) CHIRON CORP
                                                                                                                                                                                                                                                                                                                                        :5-OCT-1996;
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                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                       WO9715662-A2
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Gaps ö

1044 CTTCATGCTGCTCAT 1061

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AAX71061/c ID AAX71061 standard; RNA; 17 BP.

RESULT 193

96

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Gaps

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Indels

50.0%; Pred. No. 1.2e+02; ive 7; Mismatches 1;

1079

1064 TCTTTGCCTTCCTCCA

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8; Conservative

Best Local Similarity

Matches

2 ucuvugccuucuucca 17

ABK03204 standard; RNA; 17 BP.

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Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
     human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimen's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ALS; Huntington's disease;
B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          sequence is an inozyme of the invention
                                                                                                                                                                                                                                               Chowrira BM;
                                                                                                                                                                                                                                                                                                                              Claim 30; Page 148; 200pp; English.
                                                                                                                                                                                                                                                                                                            central nervous system injury.
                                                                                                                                                              11-FEB-2000; 2000US-0181797P.
                                                                                                                                                                      28-FEB-2000; 2000US-0185516P.
                                                                                                                                            09-FEB-2001; 2001WO-US004273.
                                                                                                                                                                                                  RIBOZYME PHARM INC.
                                                                                                                                                                                                                                               Mcswiggen J,
                                                                                                                                                                                                                             CHOWRIRA B M.
                                                                                                                                                                                                           BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                               WPI; 2001-607195/69.
                                                                                                         WO200159103-A2.
                                                                                sapiens.
                                                                                                                          16-AUG-2001,
                                                                                         Synthetic.
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(BLAT/) H
(MCSW/) N
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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cregulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids and inclaims of a neurite growth inhibitor gene (NGGO). The nucleic acids and no possessing and with a NRM molecule possessing an NCH motifi), a G-cleaver (cleaving RNA with a NRM motif) a G-cleaver (cleaving RNA with a NRM motif) proposessing an NCH motifi) a G-cleaver (cleaving RNA with a NRM motifi) and a memberzyme (cleaving RNA with a NRM think in NRM motifi) and a memberzyme (cleaving RNA with a NRM think in NRM motifi) and the presence of a divalent cation that is preferably MG<sup>22</sup>+.

Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more theory in particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-flowdgwin's lymphoma (NRL), bulky low-grade or follicular NRL, lymphocytic luckaemia, HLV (human immunodeficiency virus) associated NRL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma (MCC). The treatment may further comprise the use of one or more cell and treat a patient having a condition associated with the level of NGC. The treatment may further comprise the use of one or more clear and the more system (CNA) stroke), Alzaheimer's disease, demential, multiple sclerosis (MS), chemotherapy-induced neuropath
Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
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0.9%; Score 14.4; DB 1; Length 17;

Query Match

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acids (e.g. a ribozyme or a DNAzyme) an NCH motif), a G-cleaver (cleaving RNA with a NYN motif) prossessing an NCH motif), a G-cleaver (cleaving RNA with a NGN triplet), a zinzyme (cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg^2+. Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further compities the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to
                                                                                                                                                            cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inzozyme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; lymphocytic leukaemia; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemocherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease;
                                                                                                                                                                                                                                                                                                                                                                               Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease
                                                                                                                                            Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, central nervous system injury.
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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                                                           12-MAR-2002 (first entry)
                                                                                                     Human CD20 Inozyme #155.
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MCSWIGGEN J.
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                 ABK03204;
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(BLAT/)
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treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-
Hodgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphocytic
Leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell
lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma,
Immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-
targetting nucleic acid is used to cleave RNA.of the NOGO gene in the
presence of a divalent cation that is preferably MG'2+. Furthermore, the
nucleic acid may be contacted with a cell to reduce NOGO activity of the
cell and treat a patient having a condition associated with the level of
NOGO. The treatment may further comprise the use of one or more
therapies. In particular, the NOGO-targetting nucleic acid may be used to
treat central nervous system (CNS) injury and cerebrovascular accident
CCVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS),
chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MS),
chemotherapy-induced neuropathy, anyotrophic lateral sclerosis (ALS),
parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob
disease, muscular dystrophy, and/or other neurodegenerative disease
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 1 A; 6 C; 2 G; 0 T; 8 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                       sequence is an inozyme of the invention
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30-JAN-2001; 2001WO-US000662.
30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
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30-JAN-2001; 2001WO-US000667
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Matches 8; Conservative
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 protein substrates, to hGDMLP-1 protein substrates, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The protein sequence expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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                         New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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93.8%; Pred. No. 1.2e+02;
tive 0; Mismatches 1;
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                                                                                                           Disclosure; SEQ ID NO 2296; 214pp; English
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2000US-0236359P.
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2001WO-US000665.
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Best Local Similarity 93.8'
Matches 15; Conservative
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
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27-SEP-2000;
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30-JAN-2001;

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 (an be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids in gene therapy and vaccine production. The hGDMLP-1 concleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therappentic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The collised associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a disorders hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. The sequence of this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO capture in for the present directly from wire construction and production of the present directly from wire construction and production of the present directly from wire construction and production of the present directly from wire construction and production of the present directly from wire construction and production of the present directly from wire construction and selectronic format directly from wire construction and selection of
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                                                                                                                                                                                                                                                        Hanzel DK, Rank DR,
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2001WO-US000669.
2001WO-US000669.
2001WO-US000669.
2001WO-US000670.
2001US-0266860P.
                                                                                                                                                                                                                                                     Gu Y, Ji Y, Penn SG,
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                                   30-JAN-2001;
30-JAN-2001;
      30-JAN-2001;
                                                                                          30-JAN-2001;
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Query Match 0.9%; Score 14.4; DB 1; Length 17; Best Local Similarity 93.8%; Pred. No. 1.2e+02; Matches 15; Conservative 0; Mismatches 1; Indels Sequence 17 BP; 2 A; 5 C; 5 G; 5 T; 0 U; 0 Other;

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Gaps

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36 2 rcrecercrecarage 17 21 TCTGCGTCTGCAGAGG ò 셤

ABN02302 standard; DNA; 17 (first entry) 29-MAY-2002 ABN02302; RESULT 198 ABN02302, 

Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2294.

Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart, muscle, myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

Homo sapiens.

WO200192524-A2

06-DEC-2001.

25-MAY-2001; 2001WO-US016981.

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                        Hanzel DK, Rank DR,
        2000US-0207456P
                                       2001WO-US000661.
2001WO-US000662.
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2001WO-US000666.
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2001WO-US000669.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
                                                                                                                30-JAN-2001;
                21-SEP-2000;
27-SEP-2000;
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Shannon ME;

Chen W,

Shannon ME;

Chen W,

Disclosure; SEQ ID NO 2294; 214pp; English

The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 mucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 mucleic acids in samples, as amplification substrates, to hGDMLP-1 mucleic acids in samples, as amplification substrates, to hGDMLP-1 proteins unprovements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be capture probes for surface-enhanced laser description ionisation, and in vaccines or for hGDMLP-1 may be used for diagnosing a therapeutic supplement in patients having specifically in GDMLP-1 proteins, and standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule captures probes for surface-enhanced laser description ionisation, as therefore an unique to the hard or replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The consumption of his present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B.

The sequence data for this patent did not form part of the printed sequence data for this patent did not form part of the printed sequence in the supplication, but was obtained in electronic format directly from WIPO

Seguence 17 BP; 3 A; 9 C; 4 G; 1 T; 0 U; 0 Other;

Gaps 0 0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.2e+02; 1; Indels 0; Mismatches Query Match 0.9 Best Local Similarity 93.8 Matches 15; Conservative

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ВР CGGCTGTGGGCCAGGG 571 ABN02301 standard; DNA; 17 CGGCTGTGGGCCATGG 256 16 ABN02301/c 1D ABN023 XX ABN023 XX DT 29-MAY XX XX RESULT 199 ò g

ABN02301;

Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2293. 29-MAY-2002 (first entry)

Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; 88.

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6629.

(first entry)

29-MAY-2002

ABN06637;

ABN06637 standard; DNA; 17 BP.

RESULT 200 **ABN0663** 

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protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hGDMLP-1 proteins, as sendards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therefore the paving specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration and skeletal muscle disorders encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1
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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Shannon ME
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Chen W,
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30-JAN-2001; 2001WO-US000662
30-JAN-2001; 2001WO-US000663
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                                                                                        Homo sapiens
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2001WO-US000661. 2001WO-US000662. 2001WO-US000663.

2000US-0236359P 2000GB-00024263 2001WO-US000665. 2001WO-US000666. 2001WO-US000667.

2001WO-US000664

30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001;

2001WO-US000668. 2001WO-US000669. 2001WO-US000670.

30-JAN-2001; 30-JAN-2001; 30-JAN-2001;

2001US-0266860P

05-FEB-2001;

25-MAY-2001; 2001WO-US016981.

26-MAY-2000; 21-SEP-2000; 27-SEP-2000; 04-OCT-2000;

WO200192524-A2

06-DEC-2001

Homo sapiens

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP capture probes for surface-enhanced laser desorption ionisation, and or amount specifically of hGDMLP proteins, as specific biomolacule capture probes for surface-enhanced laser desorption ionisation, as production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration of shother associated with the expression of hGDMLP-1 may be used for diagnosing a clisorder associated with the expression of hGDMLP-1. Sequence in the exemplification of the present sequence and for this patent did not form part of the printed captured but was obtained in electronic format directly from WIPO capture there in the present did not form part of the printed captured production, but was obtained in electronic format directly from WIPO captured production.
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Match 0.9%; Score 14.4; DB 1; Length 17; Local Similarity 93.8%; Pred. No. 1.2e+02; He 15; Conservative 0; Mismatches 1; Indels

Query Match

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556 CGGCTGTGGGCCAGGG 571

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Shannon ME;

Chen W,

Rank DR,

Hanzel DK,

Gu Y, Ji Y, Penn SG, WPI; 2002-179446/23.

(AEOM-) AEOMICA INC.

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                                                                                                                                                                                                                                                        Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                         Gaps
                                                                                                                                                                                                                                   Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:2297.
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                                  Length 17;
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            Sequence 17 BP; 4 A; 4 C; 6 G; 3 T; 0 U; 0 Other;
                               Query Match

0.9%; Score 14.4; DB 1;
Best Local Similarity 93.8%; Pred. No. 1.2e+02;
Matches 15; Conservative 0; Mismatches 1;
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30-JAN-2001; 2001WO-US000664.
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2001WO-US000662
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                                                                                25 CGTCTGCAGAGGACAG
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                               therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleocide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO at ftp.wipo.int/pub/published_pct_sequence
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probes for surface-enhanced laser desorption ionisation, as
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.4; DB 1; Length 17; 93.8%; Pred. No. 1.2e+02; ative 0; Mismatches 1; Indels
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Matches 15; Conservative
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(MORR/)
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(LEEP/)
(DRAP/)
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                                                                                                                                                                                                                                                                      Matches
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                                                                                                                                                                                                                                                                                                              요
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diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for disgnosis and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymoration sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus infection.
                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                                                                                                                 amberzyme; G-cleaver ribozyme; decoy molecule; aptamer;
HBV reverse transcriptaes; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; 88.
                                                                                                                                                   Gaps
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                                                                                                                            0.9%; Score 14.4; DB 1; Length 17;
33.8%; Pred. No. 1.2e+02;
ve 0; Mismatches 1; Indels
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                                                                                                         Sequence 17 BP; 5 A; 4 C; 4 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                               HCV DNAzyme substrate sequence #1413.
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                                                                                                                                                                       887 ATGTGGCCAAGAACTT 902
                                                                                                                                                                                                                                                ACD59611 standard; RNA; 17 BP
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08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
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                                                                                                                                       1 Similarity 93.8%;
15; Conservative
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BLATT L.
                                                                                                                                                                                                                                                                                          (first entry)
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Roberts E;
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MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2003-229207/22.
                                                                                                                                        Best Local Similarity
Matches 15; Conserv
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ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MACEJAK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Hepatitis C virus
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Draper K,
                                                                                                                                                                                                                                                                      ACD59611;
                                                                                                                              Query Match
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(MCSW/)
(MORR/)
(PAVC/)
(LEEP/)
(DRAP/)
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(BLAT/)
                                                                                                                                                                                                                            RESULT 203
ACD59611/c
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HFV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, inczymes, zinzymes, and G-cleaver ribozymes. DNAzymes, inczymes, zinzymes, and G-cleaver ribozymes. DNAzymes, concerning and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonuclectides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV cycles and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV interfined in the present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 4 A; 8 C; 1 G; 0 T; 4 U; 0 Other;
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Claim 1; Page 259; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  133 ATGGAGGCTGTGAAGG 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACD63059 standard; RNA; 17 BP
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08-UUN-2001; 2001US-00877478.
08-UUN-2001; 2001US-0296876P.
24-0CT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  15; Conservative
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MCSWIGGEN J.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DRAPER K.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               PAVCO P.
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or the synthesis, expression and/or stability of Hepatitis C virus (HCV) or and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, and enzymatic nucleic acids such as hammerhead ribozymes, DNAzymes, or inozymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV CC ompounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds compunds of the invention are useful for the treatment of degenerative and methods of the invention are useful for the treatment of degenerative and especial sease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular expression such as cirrhosis, liver failure, and hepatocellular expression such as cirrhosis, liver failure, and hepatocellular expression expressed in the present
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                                                                                                                                                                                                                          Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
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HCV infection; type I interferon; DNAzyme.
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                                                                   Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Pavco PA, Macejack D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 3 C; 7 G; 0 T; 4 U; 0 Other;
                                                               Mcswiggen J, Morrissey D,
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                                                                                                                                                                                                                                                                                                                                                         Claim 1; Page 290; 387pp; English.
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nes 12; Conservative
                                                         Macejak D,
Roberts E;
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MCSWIGGEN J.
                                                                                                                                                          WPI; 2003-229207/22
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PAVCO P A.
MACEJACK D.
(ROBE/) ROBERTS E.
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                                                            Blatt L, M
Draper K,
                                                                                                                                                                                                                                                                                                infection.
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(ROBE/)
(PAVC/)
(MACE/)
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ADI84167/c
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                                              Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatities C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for
                                                                                                                                                                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 8 C; 1 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pavco PA,
                                                                                                                 Claim 1; SEQ ID NO 1413; 198pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 3143; 198pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         HCV DNAzyme substrate sequence #3143.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                       133 ATGGAGGCTGTGAAGG 148
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .8-DEC-2000; 2000US-00740332
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                                                                                                                                                                                                                                                                                                                                                                                                                                    16 ATGGAGGCTGTGAATG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADI85897 standard; RNA; 17
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Best Local Similarity 93.8°
Matches 15, Conservative
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MCSWIGGEN J.
ROBERTS E.
PAVCO P A.
                 WPI; 2004-031273/03.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hepatitis C virus
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                                                                                                                                                                                                                                                                      sequence.
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(ROBE/)
(PAVC/)
(MACE/)
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                                                                    RESULT 208
                                                                                      AAX52424
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (WEGF). A patient (preferably human) having a condition associated with the level of the fims-like tyrosine kinase 1 (fll-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, coular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the parient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Jascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1;
     the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                               KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesie; psoriasie; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; focetal liver kinase 1; sa
                                                                                                                                          Gaps
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                                                                                                       0.9%; Score 14.4; DB 1; Length 17; 75.0%; Pred. No. 1.2e+02;
                                                                                                                                       1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Pavco P, Mcswiggen J, Stinchcomb D, Escobedo J;
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                                                                       Sequence 17 BP; 3 A; 3 C; 7 G; 0 T; 4 U; 0 Other;
                                                                                                                                        3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 4; Page 118; 218pp; English.
                                                                                                                                                                          134 TGGAGGCTGTGAAGGC 149
                                                                                                                                                                                                                                                                                              AAX71705 standard; RNA; 18 BP
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96US-00584040.
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Matches 12; Conservative
                                                                                                                                          12; Conservative
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                                                                                                                         Best Local Similarity
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                                          sequence.
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Secreted protein; transmembrane protein; human; enterocolitis; Zollinger-Ellison syndrome; gastrointestinal ulceration; congenital microvillus atrophy; skin disease; cell growth; abnormal keratinoryte differentiation; psoriasis; epithelial cancer; Parkinson's disease; Alzheimer's disease; Als; neuropathy; fibromodulin; dermal scarring; Usher Syndrome; Atrophia areata; anti-thrombotic; wound healing; tissue repair; PCR primer; 88.
                                                          Forward PCR primer used to amplify cDNA encoding PRO295.
AAX52424 standard; DNA; 18 BP.
                                                                                                                                                                                                                                                     97US-0059115P.
97US-0059117P.
97US-0059119P.
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97US-0059122P.
97US-0059184P.
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97US-0059266P.
97US-0062125P.
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97US-0063486P.
97US-0062814P.
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97US-0063045P.
97US-0063120P.
97US-0063121P.
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97US-0063128P.
97US-0063327P.
97US-0063329P.
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97US-0063542P.
97US-0063544P.
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97US-0063550P.
97US-0063564P.
97US-0063435P.
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97US-0064215P.
97US-0063870P.
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97US-0064809P.
97US-0065186P.
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97US-0065693P.
97US-0066120P.
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97US-0063732P.
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                                       25-JUN-1999 (first entry)
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18-NOV-1997;
21-NOV-1997;
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17-OCT-1997;
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                                                                                                                                                              Synthetic.
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Gaps

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oligonucleotides AAX22276-532 represent PCR primers and probes used to isolate and amplify CDNA encoding secreted and transmembrane human proteins (see AAX52213-74 and AAX13344-403). The CDNA sequences are obtained from CDNA libraries, prepared from fetal lung, fetal kidney, fetal brain, fetal liver and fetal retina. The encoded polypeptides have specific uses based on their homology to known polypeptides, e.g. PR0211 and PR0217 can be used for disorders associated with the preservation and maintenance of gastrointestinal mucosa and the repair of acute and correct mucosal lesions (e.g. enterocolitis, 2011inger-Ellison syndrome, cg gastrointestinal ulceration and compenital microvillus atrophy), skin diseases associated with abnormal keratinocyte differentiation (e.g. vulva and gliomas), potent effects on cell growth and development, diseases related to growth or survival of nerve cells including CC PR0265 can be used as for fibromodulin, e.g. for reducing dermal cc scarring. PR0264 can be used as a target for anti-tumor drugs. PR0533 may comed as a parafet. Decore of Altrophysia areata; PR0269 can be used as a strict proper and proper an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   be used as an anti-thrombotic agent; PRO287 polypetides and portions may have therapeutic applications in wound healing and tissue repair; PRO317 can be used for treating problems of the kidney, uterus, endometrium, blood vessels, or related tissue, e.g. in the heart of genital tract
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                                                                                                                                                                                                                                                                                                                                                                                                                            New isolated human genes and polypeptides used in, e.g. treatment gastrointestinal ulceration.
                                                                                                                                                                                                                                                                                                             Yuan J;
                                                                                                                                                                                                                                                                                                             Chen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                          Goddard A, Pennica D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 38; Page 144; 320pp; English.
                         97US-0066453P.
97US-0066466P.
97US-006651IP.
97US-0066770P.
97US-0066772P.
97US-0066364P
                                                                                                                                                                                                                                             GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                          Gurney AL,
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                                                         24-NOV-1997
24-NOV-1997
                                  24-NOV-1997
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.. 0 Gaps ö Query Match 0.9%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels

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TRAF4 antisense oligonucleotide ISIS# 26878. AAA55618 standard; DNA; 18 (first entry) 30-AUG-2000 AAA55618; RESULT 209 

Tumour necrosis factor receptor-associated factor; TRAF; human; antisense oligonucleotide; phosphorothioate; antiproliferative; anti-inflammatory; E-selectin; jun kinase; ss.

Synthetic.

WO200020435-A1

13-APR-2000.

Xn XS;

Baker BF, Cowsert LM, Monia BP,

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A55757) which are targeted to nucleic acids encoding a human tumour necrosis factor receptor-associated factor (TRAF). The antisense sequences comprise at least one modified internucleotide linkage, which is a phosphorothicate linkage. The oligonicleotides also include at least one modified sugar moiety such as a 2'-O-methoxyethyl sugar moiety. Sequences AAA55490-A55495 represent nucleotide sequences encoding human TRAFI-6. Included in the invention is a method for treating a human daministering an antisense oligonucleotide. The reduction of jun kinase activation in cells comprises contacting the cells with an antisense oligonucleotide cells with an antisense oligonucleotide to the reduction of E-
                                                                                                                                                                          Antisense oligonucleotides targeted to nucleic acids encoding human tumor necrosis factor receptor-associated factor (TRAF), useful for treating diseases associated with TRAF expression such as inflammatory diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    selectin expression in cells or tissues comprises contacting the cells or tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6. The antisense oligonucleotides have antiproliferative and anti-inflammatory activity and are useful for treating disorders associated with cell proliferation and inflammation. The antisense oligonucleotides may also be used as a diagnostic probe for studying gene function
                                                                                                                                                                                                                                                                                       present invention relates to antisense oligonucleotides (see AAA55496
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tumour necrosis factor receptor-associated factor; TRAF; human; antisense oligonucleotide; phosphorothioate; antiproliferative; anti-inflammatory; E-selectin; jun kinase; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.4; DB 1; Length 18; ilarity 93.8%; Pred. No. 1.3e+02; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 4 A; 5 C; 9 G; 0 T; 0 U; 0 Other;
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                                                                                                       Xu XS
                                                                                                                                                                                                                                                  Example 19; Page 60; 170pp; English
                                                                                                       BP,
                                                                                                         Monia
99WO-US023171.
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                                 98US-00167109
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                                                                                                       Baker BF, Cowsert LM,
                                                                 (ISIS-) ISIS PHARM INC
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les 15; Conserv
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05-OCT-1999;
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Matches
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The present invention relates to antisense oligonucleotides (see AAA55496
-A55757) which are targeted to nucleic acids encoding a human tumour
necrosis factor receptor-associated factor (TRAP). The antisense
sequences comprise at least one modified internucleotide linkage, which
is a phosphorothioate linkage. The oligonucleotides also include at least
one modified sugar moiety such as a 2 -O methoxyethyl sugar moiety.
Sequences AAA55490-A55495 represent nucleotide squences encoding human
TRAF1-6. Included in the invention is a method for treating a human
having a disease associated with the expression of TRAP comprising
administering an antisense oligonucleotide. The reduction of jun kinase
activation in cells comprises contacting the cells with an antisense
oligonucleotide targeted to TRAF-6. A method for the reduction of E-
selectin expression in cells or tissues contacting the cells or
tissues with an antisense oligonucleotide targeted to TRAF-2 or TRAF-6.
The antisense oligonucleotides have antiproliferative and anti-
inflammatory activity and are useful for treating disorders associated
with call proliferation and inflammation. The antisense oligonucleotides
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                                                                                      Antisense oligonucleotides targeted to nucleic acids encoding human tumor necrosis factor receptor-associated factor (TRAF), useful for treating diseases associated with TRAF expression such as inflammatory diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antinflamatory; antiulcer; cytostatic; antipsoriatic; antiparkinsonian; nootropic; neuroprotective; vasotropic; chemotaxic; angiogenic; neuroprotective; vasotropic; chemotaxic; antipatheric; antipatheric; antiarthritic; antimematic; antistrentosclerotic; cardiant; antidabetic; cerebroprotective; thrombolytic; immunomodulator; enterocolitis; Zollinger-Ellison syndrome; gastrointestinal ulceration; psoriasis; cancer; Parkinson's disease; Alzhaimer's; ALS; neuropathy; dermál scarring; wound healing; asthma: rheumatory antities cartilage formation; angiogenesis; asthma: rheumatory disorder; atherosclerosis; cardiac injury; infertility; premature aging; AlbS; disorder; stroke; gene therapy; transgenic; PRO; human; 88; primer; PCR.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO protein-related forward PCR primer SEQ ID 239.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Seguence 18 BP; 0 A; 4 C; 9 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                            Example 14; Page 47; 170pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1269 GCTGGGTGTGTTCCTG 1284
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ADC78694 standard; DNA; 18 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         01-JAN-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (GETH ) GENENTECH INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO200015796-A2
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                                                                                                                                                                   The invention relates to a novel nucleic acid encoding a PRO polypeptide. The polypeptides and polynucleotides of the invention may be useful as research tools and as therapeutics for treating enterocolitis, Zollinger-Ellison syndrome, gastrointestinal ulceration, psoriasis, zollinger-Parkinson's disease, Alzheimer's disease, ALS, neuropathies, dermal scarring and wound healing, nerve repair, thromboass, bone and/or cartilage formation, angiogenesis, asthma, rheumatoid arthritis, multiple sclerosis, inflammatory disorders, atherosclerosis, cardiac injury, infertility, premature aging, AIDS, diabetes complications and stroke. The molecules may also be utilised during gene therapy procedures and transgenic animal production. The current sequence is that of the PCR primer of the invention which was used to analyse the human PRO DNA of
                                                                                        Novel nucleic acids encoding secreted and transmembrane polypeptides with homology, e.g. to growth and cancer-associated antigens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human, PRO; dermatological; antipsoriatic; cytostatic; antiinflammatory; antiparkinsonian nootropic; neuroprotective; vulnerary; cardiant; antiangoganic; vasotropic; antisthmatic; antiheumatic; cancer; antiarthritic; antinfertility; antidabetic; antiviral; diabetes; ophthalmological; gene therapy; skin disease; gastrointestinal disorder; ischaemia; inflammation; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
          Wood WI;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ö
                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; ative 0; Mismatches 1; Indel8
          Pennica D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human PRO polypeptide gene PCR primer SEQ ID NO: 240.
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
          Gurney AL, Hillan K,
                                                                                                                                         Example 38; SEQ ID NO 239; 355pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1467 CAGCCTGTACTGCCAG 1482
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAF72582 standard; DNA; 18 BP
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99US-0145698P.
99US-0146222P.
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99WO-US028565.
99WO-US030095.
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99WO-US020944.
99WO-US021090.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                        15, Conservative
          Goddard A,
                                                         WPI; 2000-271434/23
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-SEP-1999;
05-OCT-1999;
29-NOV-1999;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAF72582;
                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
          Chen J,
Yuan J;
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16-DEC-1999

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Sixty one nucleic acids encoding PRO polypeptides which are useful in the treatment of skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma) and neurodegenerative diseases (e.g. Alzheimer's
                                                                                                                                                                                                                                                                                                                                                                                      The present sequence is a primer which was used in the isolation of one of sixty one nucleic acids encoding novel secreted and transmembrane PRO pypetides. The PRO polypeptides are useful for treating skin diseases (e.g. psoriasis), cancers (e.g. lung squamous cell carcinoma), experianal disorders (e.g. entercoclitis), neurodegenerative diseases (e.g. Alzheimer's disease, Parkinson's disease), wound repair, eardiovascular disorders (e.g. entencoclitis) lededing angiogenesis, ischaemias such as coronary ischaemia, atherosclerosis), inflammatory disorders (e.g. asthma, rheumatoid arthritis, multiple sclerosis), inflammatory infertility, AIDS and diabetes and retinal disorders such as retinitis pigmentosum. The PRO nucleic acids have applications in molecular biology, including use as hybridization probes, and in chromosome and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Haematopoietic cell proliferation disorder related oligonucleotide #1086.
                                                                                                         Ashkenazi AJ, Botstein D, Desnoyers L, Eaton DL, Ferrara N; Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A; Godowski PJ, Grimaldi CJ, Gurney AL, Hillan KJ, Kljavin IJ; Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; haematopoietic cell proliferation disorder; cytostatic; gene therapy; lymphocytic leukaemia; acute myelogenous leukaemia; cytosine methylation state; probe; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.9%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                            Example 38; Page 182; 393pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1467 CAGCCTGTACTGCCAG 1482
                   99WO-US030999.
2000WO-US000219.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ВР
 99WO-US030911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       26-MAR-2002; 2002WO-EP003401
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          26-MAR-2001; 2001US-0278333P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABZ10946 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (first entry)
                                                                                                                                                                    Mather JP, Pan J, Pac
Williams PM, Wood WI;
                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (EPIG-) EPIGENOMICS AG.
                                                                                                                                                                                                                           WPI; 2001-081051/09
 20-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WO200277272-A2
                   20-DEC-1999;
05-JAN-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               gene mapping
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic.
                                                                                                                                                                                                                                                                                                                       disease).
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The present invention describes a method for detecting and differentiating between haematopoietic cell proliferative disorders associated with at least 1 gene and/or their regulatory regions in a subject. The method comprises contacting a target nucleic acid in a biological sample obtained from the subject with at least 1 reagent, which distinguishes between methylated and non-methylated CpG dinucleotides within the target nucleic acid. ABZ09861 to ABZ18118 represent specifically claimed nucleotide sequences from the present invention. Oligonucleotides from the present invention can be used: for invention. Oligonucleotides from the present invention can be used: for differentiating between healthy haematopoietic cells and proliferative disorder haematopoietic cells; for differentiating between acute lymphocytic leukaemia and acute myelogenous leukaemia; as probes for determining the cytosine methylation state and/or single nucleotide polymorphisms (SNPs) of haematopoietic cell proliferation disorder related bus and their complements; and as primers for the amplification of haematopoietic cell proliferation between aucle caused for detecting a predisposition to, differentiation between subclasses, diagnosis, prognosis, treatment and/or monitoring of haematopoietic cell proliferative disorder: method enables a highly specific classification of haematopoietic cell proliferative disorders. The present method enables a highly specific classification of haematopoietic cell proliferative disorders. The present method enables disorders allowing for improved and informed treatment of patients
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ö
                                                                                                                                                                Detecting and differentiating between hematopoietic cell proliferative disorders, comprises contacting a target nucleic acid with a reagent that distinguishes between methylated and non-methylated CpG dinucleotides.
                                                   Pelet C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human; PCR; primer, ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; tosonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial estimated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; bone disorder; cartiliage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
Howe A, Mueller J;
G, Lesche R, Leu E;
Mueller V, Otto T, E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human secreted/transmembrane protein, #45, PCR primer 2 #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 4 A; 0 C; 13 G; 1 T; 0 U; 0 Other;
Distler J, Guetig D,
C, Adorjan P, Grabs
, Maier S, Model F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0; Mismatches
                                                                                                                                                                                                                                                          Claim 15; Page 71; 117pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        244 CIGCCCCCACCICCC 259
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Local Similarity 93.8 es 15; Conservative
                                                Lewin A, Lipscher E, I
Schwope I, Ziebarth H;
Berlin K, Braun A,
Olek A, Piepenbrock
                                                                                                                    WPI; 2003-018942/01
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9703-0063734P
9703-0063738P
9703-0064215P
9703-0064216P
9703-0064248P
9703-0065894P
9703-0065894P
9703-0065694P
9703-0065634P
9703-006646P
9703-006646P
9703-006646P
                  970S-0059113P.
970S-0059113P.
970S-0059113P.
970S-0059121P.
970S-0059121P.
970S-0059124P.
970S-0059265P.
970S-0059266P.
970S-0062184P.
970S-0062184P.
970S-0063121P.
970S-0063124P.
970S-0063124P.
970S-0063124P.
970S-0063124P.
970S-0063124P.
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97US-0069425P.
98US-0088026P.
98US-0099803P.
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99US-0145698P.
99US-0146222P.
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98US-0100262P
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98WO-US019330
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      16-JUL-2001; 2001US-00906700
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                                                                                                                                                                                                                                                                                                                                                                                                                  98WO-US019437
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                                                                18 - SEP - 1997;
18 - OCT - 1997;
17 - OCT - 1997;
21 - OCT - 1997;
24 - OCT - 1997;
25 - OCT - 1997;
27 - OCT - 1997;
27 - OCT - 1997;
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28-OCT-1997;
28-OCT-1997;
29-OCT-1997;
29-OCT-1997;
29-OCT-1997;
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20-NOV-1998
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ME, Goddard
Kljavin IJ;
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                                                                                                                                                                      , Botstein D, Desnoyers L, Eaton DL, Fong S, Gao W, Gerber H, Gerriteen Grimaldi JC, Gurney AL, Hillan KJ, Pan J, Paoni NF, Roy MA, Stewart TA, Wood WI;
                                                                                                                                                                                                                                                      Example 38; Page 106; 476pp; English.
                 99WO-US028561.
99WO-US028564.
99WO-US028565.
99WO-US030095.
99WO-US030911.
                                                                                                        2000WO-US008439.
2000WO-US014042.
2000WO-US015264.
2000WO-US020710.
                                                                2000WO-US000219.
2000WO-US003565.
2000WO-US004414.
                                                                                    2000WO-US005004.
2000WO-US005841.
2000WO-US007377.
                                                           99WO-US030999
                                                                                                                                    24-AUG-2000; 2000WO-US023328
18-SEP-2000; 2000US-00665350
                                                                                                                                                         (GETH ) GENENTECH INC
                                                                                                                                                                                                               WPI; 2003-503393/47.
                                                                                                                                                                      Ashkenazi A,
Filvaroff E,
Godowski PJ,
                                                                05-JAN-2000; 2
11-FEB-2000; 2
24-FEB-2000; 2
02-MAR-2000; 2
00-MAR-2000; 2
30-MAR-2000; 2
22-MAY-2000; 2
23-MAY-2000; 2
8-JUL-2000; 2
                                                                                                                                                                                           Mather JP, Pa
Williams PM,
                       02-DEC-1999;
02-DEC-1999;
16-DEC-1999;
20-DEC-1999;
20-DEC-1999;
20-DEC-1999;
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New isolated PRO polypeptides e.g. PRO211, PRO217 and PRO230, useful for treating Parkinson's disease, Alzheimer's disease, amyotropic lateral sclerosis, cancer, neuropathies and psoriasis.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodises that specifically bind to the PRO polypeptide. For linking a bloadcaive molecule to a cell expressing a PRO polypeptides are useful for detecting other PRO polypeptides are useful for modulating the biological activity of a cell. PRO polypeptides are useful for modulating the biological activity of polypeptide are useful for modulating placed or linking a bioaccive molecule to a cell expressing a PRO polypeptides. The PRO polypeptides or polypeptide activity of a cell expressing spreadly a pharmaceuticals, diagnostics biosensors or polymetride antibodies are useful for modulating hypertrophy of neonatal heart. inhibiting vaccular endothelial growth factor (VEGF) stimulated continuating vaccular endothelial growth factor (VEGF) stimulated continuating vaccular endothelial growth factor (VEGF) stimulated continuating dlucose or FFA uptake, inducing or proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of chondrocytes. In particular, these are useful for cells, modulating glucose or FFA uptake, inducing or offset in endothelial colls, inducing or forsity and activation of solutions of solutions of contropy. Aiabetes, hyperinaulinaemia, or bone or cartilage disorders, wounds, cretinitis plamentosum), obesity, diabetes, hyperinaulinaemia, or bone or cartilage disorders (e.g. sports injuries or thinking to induce the full-length profice or of sense which have a role in cell data. The polymucian probes for control of sense which have a role in cell death, the preparing PRO polypeptides, for generating reasons. Control of therapeutically useful reagents, as probes and for the control of therapeutically useful reagents, as probes and for the economianally expressing the protein and gene mapping, in the generation of the economiantly expressing the protein and gene

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Desnoyers L, Eaton DL, Ferrara N;
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970S-0063435P-
970S-0063435P-
970S-0063732P-
970S-0063734P-
970S-0063734P-
970S-0063738P-
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98US-0104080P.
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2000WO-US003565.
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28-0CT-1997;
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useful for tissue typing. PRO antibodies are useful for immunohistochemical staining and/or assay of sample fluids. Anti-PRO antibodies are useful in diagnostic assays for PRO e.g. detecting its expression in specific cells, tissues or serum and for affinity purification of PRO from recombinant cell culture or natural sources. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequence presented is a DNA probe which was used to detect a PRO polynucleotide of the invention. NOTE: This sequence is described as SEQ ID NO 239 in Example 38 of the disclosure but is different from SEQ ID NO 239 represented in the Sequence Listing.
                                                                                                                                                                                                                                                                                                                                                         Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceeptor cell; c-fos; glucose; FRA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hone disorder; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                                                                                                     Gaps
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                                                                                                                                           Query Match 0.9%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                     Human secreted/transmembrane protein, #45, PCR primer 2 #2.
                                                                                                                        Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
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97US-0059117P.
97US-0059111P.
97US-0059121P.
97US-0059121P.
97US-0059124P.
97US-0059264P.
97US-0062285P.
97US-0062287P.
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97US-0062812P.
97US-0063812P.
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97US-0063121P.
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15-OCT-1997;
17-OCT-1997;
17-OCT-1997;
21-OCT-1997;
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ADI38322
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Filvaroff E, Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A; Goddwski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ; Akather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D; Williams PM, Wood WI;
                                              Example 38; Page 105; 471pp; English
                   WPI; 2003-695899/66
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Gaps . 0 0.9%; Score 14.4; DB 1; Length 18; 13.8%; Pred. No. 1.3e+02; ve 0; Mismatches 1; Indels Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; 93.8%; Best Local Similarity 93.8 Matches 15; Conservative Query Match ઠ

RESULT 216 ADJ26590

97US-0065186P 20-MAY-2004 (first entry) US2003054349-A1. Homo sapiens. 20-MAR-2003 17-SEP-1997 17-NOV-1997 17-0CT-1997 17-0CT-1997 21-OCT-1997 ADJ26590; 28-OCT-1 28-OCT-1 29-OCT-1 1-0CT-1 12-NOV-1 24-OCT-24-OCT-7-0CT-27-OCT-3-OCT-29-OCT-03-NOV-07-NOV-28-OCT-39-OCT-29-OCT-The invention discloses isolated PRO secreted/transmembrane polypeptides can antibodias that specifically bind to the PRO polypeptides can be used to raise antibodias that specifically bind to the PRO polypeptide to raise antibodias that specifically bind to the PRO polypeptide. The PRO polypeptide are useful activity of a cell expressing a PRO polypeptide. The PRO polypeptide are useful activity of a cell expressing a PRO polypeptide. The PRO polypeptide are useful activity of a cell expressing a PRO polypeptide are useful as pharaceutical, diagnostics biological activity of a cell expressing a PRO polypeptide. The PRO polypeptide are useful as pharaceutical, diagnostics, blosensors or blosensors or cell expressing the proliferation of carcinal neurons or rod photoreceptor cells, inducing proliferation of endochelial cells, modulating the proliferation of endochelial cells, modulating the proliferation of carcinal neurons or rod photoreceptor cells, inducing proliferation of carcinal particular these are useful for the cells, modulating to train a cardioc insurance or read processor or read particular bear are useful for carcinal pages or read particular bear are useful and sorders wounds, cancerus celliferantiation of chondrocytes. In particular these are useful for carcinatis pigmentosum) obesity, diaberes wperstandial disorders or injuries (carcinatis pigmentosum) obesity, diaberes when the polymuciscities expression of genes which have a role in cell death. The polymuciscities expression of genes which have a role in cell death. The polymuciscities or recinitis pigmentosum) obesity, planetes, for generating transgenic are useful in modular blodogy including uses as hybridiazing or the processum and gene mapping) in the generating transgenic connent and page and process are useful and page and process are useful and page and process and processes as therapeutic agency including uses as hybridiazing which are useful and processes are useful and for chromosome and gene mapping, pro and pages of processes are ö Novel isolated native PRO polypeptide useful for treating Parkinson's disease, enterocolitis, Zollinger-Ellison syndrome gastrointestinal ulceration, Alzheimer's disease, amyotrophic lateral sclerosis, Usher 1467 CAGCCTGTACTGCCAG 1482 3 cagcardracrdccag 18

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tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinaulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                   Human; PCR; primer; 88; PRO; secreted; transmembrane; therapeutic;
                                                               Human secreted/transmembrane protein, #45, PCR primer 2 #2.
    ADJ26590 standard; DNA; 18 BP.
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97US-0059121P.
97US-0059184P.
97US-0059263P.
97US-0059266P.
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97US-0063541P.
97US-0063542P.
97US-0063544P.
97US-0063564P.
97US-0063564P.
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97US - 0063704P.
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97US-0062287P.
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97US-0066453P.
97US-0066466P.
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97US-0066770P.
97US-0066472P.
97US-006840P.
97US-0089425P.
98US-0088026P.
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98WO-US019177.
98WO-US019330.
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98US-0104080P.
98US-0109304P.
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99US-0145698P.
99US-0146222P.
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18-SEP-2000; 2000US-00665350.
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28-JUL-2000; 2000WO-US020710
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20-MAR-2000;
30-MAR-2000;
22-MAY-2000;
           24-NOV-1997;
25-NOV-1997;
12-DEC-1997;
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24-FEB-2000;
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                               04-JUN-1998
10-SEP-1998
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20-DEC-1999;
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15-SEP-19
15-SEP-19
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02-DEC-19
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29-NOV-1
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                                                                       17-SEP-1
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## (GETH ) GENENTECH INC.

Ashkenazi A, Botstein D, Desnoyers L, Eaton DL, Ferrara N; Filvaroff E, Rong S, Gao W, Gerber H, Gerritsen ME, Goddard A; Godowski PJ, Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ; Mather JP, Pan J, Paoni NF, Roy MA, Stewart TA, Tumas D; Williams PM, Wood WI;

### WPI; 2003-708341/67.

Novel isolated native PRO polypeptide useful for tissue typing, modulating biological activity of cell, as molecular weight markers in protein electrophoresis, for treating enterocolitis, Zollinger-Ellison

# Example 38; Page 111; 483pp; English.

syndrome.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the mucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a call expressing a PRO potein and for modulating at least one biological activity of a cell. PRO polypeptides are useful bioactive molecule to a call expressing a PRO polypeptide and for linking a bioactive molecule to a call expressing a PRO polypeptide. The PRO polypeptide antibodies are useful for modulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptides or polypeptides are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. These are useful for stimulating hypertrophy of neonatal

cc terminated vaccular endothelial growth factor (VBGF)-stimulated stimulated composition of endothelial cells, modulating the proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of compositions or rod photoreceptor cells, inducing proliferation of cells, modulating glucose or FFA uptake, inducing proliferation of composition of chondrocytes. In particular, these are useful for detecting or treating glucose or FFA uptake, inducing proliferation and/or rediffication of chondrocytes. In particular, these are useful for detecting or treating cardiac insufficiency disorders, wounds, cancerous cumours, retinal disorders or injuries (e.g. loss of sight due to retinitis pigmentosum), obesity, diabetes, hyperinsulinaemia, or bone or cartilage disorders (e.g. sports injuries or retinitis) in mammals. PRO polypeptides and their portions affect the architectul in melecular biology including uses as hybridisation probes or condomners, in chromosome and gene mapping, in the generation of antisense RNA arc useful in molecular biology including uses as hybridisation probes or condomners. An or process and DNA, for preparing PRO polypeptides, for generation of antisense RNA animals or knockout animals which are useful in the development and or chromosome identification.

CC Greening of therapeutically useful reagents, as probes and for the genetic analysis of individuals with genetic disorders as well as for recombinantly expressing the protein and for chromosome identification. The proteins are useful as molecular marker for protein electrophoresis purposes, as therapeutic agents, for screening compounds to identify the propagation in specific cells are useful for succendinate (an ensemble and protein and for chromosome is succenting compounds to identify the purposes are useful in diagnostic assays for PRO e.g. detecting its expression in specific cells, itsues or serum and for affinity of entering any also be used in gene therapy, particularly for replacing a detect a PRO Polyperide of the inv Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; 

Gaps .. 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; 1; Indels 0; Mismatches Ouery Match 0.9 Best Local Similarity 93.8 Matches 15; Conservative

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#### RESULT 217 ADE99693

ADE99693 standard; DNA; 18 ADE99693; 12-FEB-2004 (first entry)

Human secreted/transmembrane protein, #45, PCR primer 2 #2.

Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; neconatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FRA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic. 

Homo sapiens

JS2003211576-A1

13-NOV-2003.

The invention discloses isolated PRO secreted/transmembrane polypeptides can define nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptides are beed to raise antibodies that specifically bind to the PRO polypeptide are useful to consider the properties are useful to consider the properties are useful and properties are useful specification of the properties are useful as phasmaceucial, diagnostics bissensors of polymortocotides are useful as phasmaceucial, diadnostics of stimulated T-lymphocytes, enhancing the survival or proliferation of endichelial cells, modulating the proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of stimulated T-lymphocytes, enhancing the survival or proliferation of stimulated T-lymphocytes or PRA putake, inducing proliferation of stimulated T-lymphocytes or PRA putake, inducing proliferation of stimulating places or rod photocytes. In particular, these are useful for detecting or treating cardiac insufficiency disorders, wounds, cancerous chingtentiating of chondrocytes. In particular, these are useful for detecting or treating cardiac insufficiency disorders, whereinsulinaemia, or bone or cartilage disorders, whereinsulinaemia or bone or cartilage disorders as upports in the propertions are entitits pigmentosum, obesity, properties et ag sports injuries or arthitis or knockout animals which are useful as probes and constraints and their portions as probes for constitution of genes which have a propertied and their portions are leaful as moderular manals which are useful in the development of processes as therapeutic agents, to purposes, as therapeutically useful respective or protein are useful a manals p New PRO polypeptide for preparing a medicament for treating a condition that is responsive to the PRO polypeptide or anti-PRO antibody, e.g. inflammatory diseases, cancer or acquired immunodeficiency syndrome. , Botstein D, Desnoyers L, Eaton DL, F. Fong S, Gao W, Gerber H, Gerritsen F, Grimaldi JC, Gurney AL, Hillan KJ, Pan J, Paoni NF, Roy MA, Stewart TA, Wood WI; Example 38; Page 106; 476pp; English 18-NOV-2002; 2002US-00298993. 22-FEB-2000; 2000WO-US004414. GETH ) GENENTECH INC. WPI; 2004-021580/02. Ashkenazi A, Filvaroff E, Godowski PJ, Mather JP, Pa Williams PM, 

Gaps ; 0 0.9%; Score 14.4; DB 1; Length 18; 33.8%; Pred. No. 1.3e+02; ve 0; Mismatches 1; Indels Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Query Match 0.9%; Best Local Similarity 93.8%; Matches 15; Conservative

gibbs026-3.rng

ADE98813 standard; DNA; 18 BP RESULT 218 ADE98813

ADE98813;

Ferrara N; ME, Goddard A; Kljavin IJ;

Tumas D;

Human secreted/transmembrane protein, #45, PCR primer 2 #2. 12-FEB-2004 (first entry)

Human; PCR; primer; 88; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; enconatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial eral; stainalated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; retinal neuron; retinitis pigmentosum; obesity; diabete; hyperinaliamamia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritis; anorectic.

US2003211569-A1. Homo sapiens.

13-NOV-2003.

12-JUL-2001; 2001US-00904938

97US-0059115P 97US-0059117P 97US-0059121P 97US-0059124P 97US-0059164P 97US-0059263P 97US-0062285P 97US-0062285P 97US-0062285P 97US-0062285P 97US-0062287P 97US-0063287P 97US-0063287P 97US-0063287P 97US-0063445P 97US-0063445P 97US-0063127P. 97US-0063128P. 97US-0063327P. 97US-0063329P. 18-SEP-1997; 15-OCT-1997; 17-OCT-1997; 17-OCT-1997; 24-0CT-1997; 24-0CT-1997; 24-0CT-1997; 24-0CT-1997; 27-0CT-1997; 28-0CT-1997; 17-SEP-1997; 17-SEP-1997; 8-SEP-1997 17-SEP-1997 17-SEP-1997 17-SEP-1997 7-SEP-1997 - TOCT-

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97US-0063738P. 97US-0064215P. 97US-0063870P. 97US-0064103P. 97US-0064248P. 97US-0064809P. 03-NOV-1997;

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97US-0066120P.
97US-0066364P.
97US-006646EP.
97US-006646EP.
97US-0066770P.
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22-MAY-2000; 2000WO-US014042.
02-JUN-2000; 2000WO-US015264.
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97US-0069425P
                                                                      98US-0088026P
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                     21-NOV-1997;
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## (GETH ) GENENTECH INC.

Botstein D, Desnoyers L, Baton DL, Ferrara N; Fong S, Gao W, Gerber H, Gerriteen ME, Goddard A; Grimaldi JC, Gurney AL, Hillan KJ, Kljavin LJ; an J, Paoni NP, Roy MA, Stewart TA, Tumas D; Pan J, Fau. Williams PM, Godowski PJ, Ashkenazi A, Filvaroff E, Mather JP,

### WPI; 2004-021576/02.

New isolated native PRO polypeptide useful for treating Parkinson's disease, enterocolitis, Zollinger-Ellison syndrome gastrointestinal ulceration, Alzheimer's disease, amyotrophic lateral sclerosis, or Usher

# Example 38; Page 99; 469pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a

bioactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. RPO polypeptides are useful cor detecting other PRO polypeptides in a sample and for linking a bioactive molecule to a cell expressing a PRO polypeptides are useful for modulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptides or bioactive molecule to a cell expressing PRO polypeptides. The PRO polypeptides or bioreactors. Disease are useful for stimulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptides or bioreactors. These are useful for stimulating the proliferation of a chadchelial cells, inducing proliferation of endothelial cells, inducing proliferation of cells, modulating proliferation of endothelial cells, inducing proliferation of cells, modulating proliferation and/or redifferentiation of chondrocytes, newticular, these are useful for detecting or treating cardiac insufficiency disorders, wounds, cancerous cells, modulating glucose or FRA upcase, inducing proliferation and/or redifferentiation of chondrocytes. In particular, these are useful for detecting or treating cardiac insufficiency disorders, wounds, cancerous cells, modulating procession of chondrocytes in particular, these are useful for carticular polymolectics or capturities programs affect the expression of genes which have a role in cell death. The polymolectics or companion of pages which have a role in cell death. The polymolectics or companion of properties and publy for preparing PRO polypeptides and their portions affect of control DNA, in chromosome and gene mapping, in the generation of antisense RNA and DNA, for preparing PRO polypeptides, for generation of antisense CCC companion of the properties are useful in which are useful in the development of carting transgenic animals or knockut animals which are useful in the genetic as are useful for a seasy for PRO e.g. detecting its expression in specific cells, tissues or serum and for throadcas ; 0 Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; nenonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated '1-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinits pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; Gaps ; 0 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; ative 0; Mismatches 1; Indels Human secreted/transmembrane protein, #45, PCR primer 2 #2. Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; 1467 CAGCCTGTACTGCCAG 1482 ADE99240 standard; DNA; 18 BP 3 caścarstracieccas 18 12-FEB-2004 (first entry) Matches 15; Conservative Local Similarity ADE99240; Query Match RESULT 219 à 

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The invention discloses isolated PRO secreted/transmembrane polypeptides and the nuclear caid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bloacative molecule to a cell expressing a PRO polypeptide, for linking a bloacative molecule to a cell expressing a PRO polypeptide are useful concerned and for modulating a cat least one biological activity of a cell. PRO polypeptides are useful concerned and polypeptides or polypeptides are useful for modulating the biological activity of a cell expressing a PRO polypeptides. The PRO polypeptides or polypeptide are useful for modulating the biological activity of a cell expressing a PRO polypeptide. The PRO polypeptides or polymented or these are useful for stimulating uppertrophy of monatal proliferation of endothelial cells, modulating the proliferation of condroverse enhancing the survival or proliferation of condroverse enhancing the survival or proliferation of condroverse enhancing the survival or proliferation of condroverse or particular, these are useful for cells, modulating glucose or FPA uptake, inducing proliferation of condroverse or particular, these are useful for cental neurons or road photoreceptor cells, inducing proliferation of condroverse or particular, these are useful for cental and condroverse. In particular, these are useful for certain of chondroverse. In particular, these are useful for certain of chondroverse. In particular, these are useful for certain of condroverse or injuries (e.g. popers injuries or retinitis pigmentosum), obesity, diabetes, hyperialisation affect the expression of genes which have a role in cell deach. The polymoresis for companial disorders as which have a role in cell deach. The polymoresis of construction and cells are useful in molecular biology including uses as phyridisation processing the construction of articenses of the processing the processing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New secreted and transmembrane nucleic acids and polypeptides, designated as PRO, useful for treating inflammation, organ failure, atherosclerosis, cardiac injury, infertility, birth defects, premature aging, AIDS, or
                                                                                                                                                                                                                                                                                                                                               Fong S, Gao W, Gerber H, Grimaldi JC, Gurney AL, Pan J, Paoni NF, Roy MA,
osteopathic; antiarthritic; anorectic.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 38; Page 99; 473pp; English.
                                                                                                                                                                                          27-OCT-1997; 97US-0063327P.
16-SEP-1998; 98WO-US019330.
22-FEB-2000; 2000WO-US004414.
18-SEP-2000; 2000US-00665350.
                                                                                                                                                    12-JUL-2001; 2001US-00904805
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                                                                                                                                                                                                                                                                                                                                                                                                            Wood WI;
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                                                                             US2003211568-A1.
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Williams PM,
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Filvaroff E,
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                                      Homo sapiens
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neonatal heart; vascular endothelial growth factor; VEGF; proliferation;
endothelial cell; stimulated T-lymphocyte; retinal neuron;
rod photoreceptor cell; c-fcs; glucose; FFA; chondrocyte;
cardiac insufficiency disorder; wound; cancer; tumour; retinal
hypoinsulinaemia; bone disorder; cartilage disorder; sport injury;
arthitis; cardiant; vulnerary; cytostatic; ophthalmological;
osteopathic; antiarthritic; anorectic.
  S
defective gene. The sequence presented is a DNA probe which was used detect a PRO polymucleotide of the invention. NOTE: This sequence is described as SEQ ID NO 239 in Example 36 of the disclosure but is different from SEQ ID NO 239 represented in the Sequence Listing.
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tissue
                                                                                                                                                                                                                                                                                                                                                                       Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic;
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                                                                                                                                                                                                                                                                                                                                           Human secreted/transmembrane protein, #45, PCR primer 2 #2.
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                                                                                                 Length
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                                                                      Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                               Match 0.9%; Score 14.4; DB 1; Local Similarity 93.8%; Pred. No. 1.3e+02; Leb 15; Conservative 0; Mismatches 1;
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                                                                                                                                                         1482
                                                                                                                                                                                                                                                         ADG40710 standard; DNA; 18 BP
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99WO-US028313.
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2000US-00665350
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Wood WI;
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GONOWSKI P J.
GURNEY A L.
MATHER J P.
WILLIAMS P M.
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30-NOV-1999;
22-FEB-2000;
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Williams PM,
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Goddard ME, Goddard Kljavin IJ; Ferrara N; Tumas D;

Desnoyers L, Eaton DL, W, Gerber H, Gerritsen Gurney AL, Hillan KJ, NF, Roy MA, Stewart TA,

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antibodies that specifically bind to the PRO polypeptide, for linking a bloactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptides are useful for a cell expressing a PRO polypeptide are useful for a cell expressing a PRO polypeptide are useful for modulating the biological activity of polypeptide are useful for modulating the biological activity of polypeptide are useful for modulating the biological activity of polypeptide are useful for modulating the proliferation of conducting a property of monateal chart, inhibiting vaccular endothelial growth factor (VEGP) stimulated bear, inhibiting vaccular endothelial growth factor (VEGP) stimulated complexed to proliferation of endothelial cells, modulating proliferation of gene which have a role in cell death. The generating remains and proliferation of gene which have useful in cell death. The generating remains and proliferation of cells proliferation and for individuals with generic discontant to effect of the proliferation of profice assays for proces as therapeutic ally and proliferation of profi
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic;
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M. acteopathics, cardiant, vulnerary; oytostatic; ophthalmological; X x creepathics, antiarthritis; anoractic. control ox x x more captures. A creepathics antiarthritis; anoractic. control ox x x ms2003021145-A1.

X M US2003021145-A1.

X M US2003021147-B1.

X M US200302114-B1.

X M US20030214-B1.

X M US2003021-B1.

X M US200302
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98US-0113296P.
99US-0143048P.
99US-0145698P.
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99WO-US020594.
99WO-US020944.
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2000WO-US004414.
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18-SEP-2000; 2000US-00665350.
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                                                        99WO-US028301
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                                                                                                                                                             (GETH ) GENENTECH INC.
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Filvaroff E,
Godowski PJ,
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Williams PM,
                                                                                                        24-FEB-2000;
02-MAR-2000;
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                                    15-SEP-1
                                               29-NOV-1
                                                    30-NOV-1
                                                              02-DEC-1
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Ferrara N; n ME, Goddard A; Kljavin IJ; Tumas D; Botstein D, Desnoyers L, Eaton DL, Fong S, Gao W, Gerber H, Gerritsen Grimaldi JC, Gurney AL, Hillan KJ, an J, Paoni NP, Roy MA, Stewart TA, Pan J, Pao I, Wood WI; New nucleic acid encoding a PRO polypeptide for use as hybridization probes, in chromosome and gene mapping, in generating antisense RNA and DNA, and in gene therapy for treating e.g. cancer, Parkinson's disease

# Example 38; Page 101; 471pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bloactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptide are useful for detecting other PRO polypeptides in a sample and for linking a bloactive molecule to a cell expressing a PRO polypeptide. The PRO polypeptide are useful for modulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptide are useful as pharmaceuticals, diagnostics, biosensors or polymcleotides are useful for stimulating hypertrophy of neonatal contractors. These are useful for stimulating hypertrophy of neonatal contractors. These are useful for stimulating hypertrophy of neonatal contractors. These are useful east of stimulated T-lymphocytes, enhancing the survival or proliferation of candothelial growth factor (VEGF)-stimulated cartinal neurons or rod photoreceptor cells, inducing repoliferation of chondrocytes. In particular, these are useful for cells, modulating proliferation of chondrocytes. In particular, these are useful for cells, modulating proliferation of chondrocytes. In particular, these are useful for cells, modulating parentsulm, observed injuries or retinitis pigmentosum), observed injuries (e.g. sports injuries or retinitis pigmentosum), observed injuries (e.g. sports injuries or retinitis pigmentosum), observed cartilage disorders (e.g. sports injuries or arthritis) in mammals. PRO polypeptides and their portions affect the expression of genes which have a role in cell death. The polymucleorides are useful in molecular biology including uses as hybridisation probes for cDNA, in chromosome and gene mapping, in the generation of antisense RNA

970S-0059113P. 970S-0059115P. 970S-0059117P. 970S-0059121P. 970S-0059122P. 970S-0059122P.

17-SEP-1997 17-SEP-1997; 17-SEP-1997 8-SEP-1997 18-SEP-1997 15-OCT-1997

17-SEP-1997

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17-JUL-2001; 2001US-00907942

17-SEP-1997;

US2003027146-A1. 06-FEB-2003. 97US-0059266P. 97US-0062125P. 97US-0062285P. 97US-0062287P.

and DNA, for preparing PRO polypeptides, for generating transgenic
animals or knockout animals which are useful in the development and
screening of therapeutically useful reagents, as probes and for the
genetic analysis of individuals with genetic disorders as well as for
recombinantly expressing the protein and for chromosome identification.
The proteins are useful as molecular marker for protein electrophoresis
purposes, as therapeutic agents, for screening compounds to identify
the PRO polypeptide (angaonists). The polynucleotides and proteins are
useful for tissue typing. PRO antibodies are useful for
immunohistochemical staining and/or assay of sample fluids. Anti-PRO
antibodies are useful in diagnostic assays for PRO e.g. detecting its
cypression in specific cells, tissues or serum and for affinity
purfication of PRO from recombinant cell culture or natural sources. The
PRO genes may also be used in gene therapy, particularly for replacing a
conferctive gene. The sequence presented is a DNA probe which was used to
defective gene. The sequence presented is a DNA probe which was used to
detect a PRO polynucleotide of the invention. NOTE: This sequence is
different from SEQ ID NO 239 in Example 38 of the disclosure but is ö tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinaulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic. Gарв Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; ö Human secreted/transmembrane protein, #45, PCR primer 2 #2. 1; Indels Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; O.9%; Score 14.4; DB 1; Local Similarity 93.8%; Pred. No. 1.3e+02; Nes 15; Conservative O; Mismatches 1; 1467 CAGCCTGTACTGCCAG 1482 3 CAGCATGTACTGCCAG 18 ADG92950 standard; DNA; 18 11-MAR-2004 (first entry) ADG92950; Query Match Matches RESULT 222 ADG9295( 888888888888888888888888888 ò 셤

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24-OCT-1997;
24-OCT-1997;
24-OCT-1997;
24-OCT-1997;
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24-OCT-1997;
24-OCT-1997;
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20-DEC-1999;
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28-OCT-1997
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The invention discloses isolated PRO Secreted/Transmemorate polypepitides on the invention discloses isolated PRO Secreted/Transmemorate polypepitides for infining a caribodises that specifically bind to the PRO bolypepitide for indiving a bioactive molecule to a cell expressing a PRO protein and for modulating to restrict members of the propertied. For linking a bioactive molecule to a cell expressing a PRO protein and for inking a bioactive molecule to a cell expressing a PRO polypepitide. The PRO polypepitide on the propertied on the propertied on the propertied of a cell expressing PRO polypepitides. The PRO polypepitide on the propertied of a cell expression protein and propertied or treating or addactical cells, inducing of proliferation of endothelial cells, modulating the proliferation of crimulated propertied or treating cardac insufficiency disorders, wounds, cancerous crimulated or lumphocytes, enhancing the survival or proliferation and/or retinal neurons or rod photocreceptor cells, inducing proliferation and/or recinal medical control control of chondrocytes. In particular proliferation probes or FPA uprake. In particular proliferation probes or the properties of chondrocytes. In particular proliferation probes or ceinflish prometorular, or bone or cartilage disorders (e.g. sports injuries or architical in mammals. PRO polypeptides and their portions affect the crimular in particular properties are useful in molecular bology including uses as hybridisation probes or properties of properties and profession of genes which have a role in cell and profession of genes which have a role in cell and profession of properties and profession and DAN, for preparing PRO polypeptides and their procession and DAN, for preparing PRO polypeptides of the properties are useful in molecular profession and DAN in thromosom The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to rais Ferrara N; ME, Goddard A; Kljavin IJ; Isolated nucleic acid encoding a polypeptide useful for various Tumas D; Botstein D, Desnoyers L, Eaton DL, 1 Fong S, Gao W, Gerber H, Gerritsen I, Grimaldi JC, Gurney AL, Hillan KJ, 1 Pan J, Paoni NF, Roy MA, Stewart TA, Wood WI; applications e.g. hybridization probes Example 38; Page 103; 474pp; English. 2000WO-US015264. 2000WO-US020710. 2000WO-US023328. 24-AUG-2000; 2000WO-US023328. 18-SEP-2000; 2000US-00665350. 2000WO-US014042 (GETH ) GENENTECH INC WPI; 2004-106404/11. Ashkenazi A, Filvaroff E, Williams PM, 02-JUN-2000; 28-JUL-2000; Godowski PJ, Mather JP, 

Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

ö Gaps ö 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; ive 0; Mismatches 1; Indels Conservative Local Similarity nes 15; Conserv Query Match Matches

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The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bloactive molecule to a cell axyressing a PRO protein and for modulating
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99WO-US021090.
99WO-US021547.
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99WO-US028214,
99WO-US028313,
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99WO-US030999.
2000WO-US000219.
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99WO-US028565.
99WO-US030095.
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1, Wood WI;
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Filvaroff E,
Godowski PJ,
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02-DEC-1999;
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Williams PM,
                                         21-NOV-1997;
24-NOV-1997;
24-NOV-1997;
24-NOV-1997;
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16-SEP-1998;
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17-SEP-1998;
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20-NOV-1998;
01-DEC-1998;
22-DEC-1998;
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15-SEP-1999;
05-OCT-1999;
29-NOV-1999;
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Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fes; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; hypoinsulinaemia; one disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                                                            Human secreted/transmembrane protein, #45, PCR primer 2 #2.
   CAGCCTGTACTGCCAG 1482
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97US-0059113P
97US-0059112P
97US-0059121P
97US-0059164P
97US-0062128P
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97US-0062128P
97US-006212P
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97US-0063121P
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97US-0063121P
97US-0063124P
97US-0063128P
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97US-0063128P
97US-0063132P
97US-0063134P
97US-0063134P
                                                                      ВР
              CAGCATGTACTGCCAG 18
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                                                                      ADH20739 standard; DNA; 18
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17-0CT-1997;
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28-0CT-1997;
29-0CT-1997;
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    1467
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                                                    RESULT 223
                                                              ADH20739
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New PRO nucleic acid, useful for manufacturing a medicament for diagnosing or treating tumor, for chromosome mapping or for tissue
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ME, Goddard A
Kljavin IJ;
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24-FEB-2000; 2000MO-050064140
22-MAR-2000; 2000MO-US005641.
30-MAR-2000; 2000MO-US0058430
30-MAR-2000; 2000MO-US008439
22-MAY-2000; 2000MO-US014042.
02-JJN-2000; 2000MO-US015564.
24-JJN-2000; 2000MO-US015564.
24-AJG-2000; 2000MO-US023338.
18-SEP-2000; 2000MO-US023338.
970S-0065693P
970S-0066453P
970S-0066456P
970S-0066470P
970S-0066770P
970S-0066772P
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970S-0066772P
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980S-0100368P
980S-0100304P
980S-01030304P
980S-0103304P
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29-MAY-2003; 2003US-00448713.

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to detecting other PRO polypeptides in a sample and for linking a bioactive molecule to a cell expressing a PRO polypeptides. The PRO polypeptides in a sample and for linking a bioactive molecule to a cell expressing a PRO polypeptide. The PRO polypeptides are useful for medulating the biological activity of polypeptides are useful for stimulating hypertophy of menatal beart, inhibiting vascular endothelial growth factor (WEGP)-stimulated proliferation of endothelial cells, medulating propletrophy of menatal neart, inhibiting vascular endothelial growth factor (WEGP)-stimulated proliferation of endothelial cells, medulating the proliferation of cells, modulating the survival or proliferation of retinal neurons or rod photoreceptor cells, inducing proliferation of cells, modulating glucose or FPA uptake, inducing proliferation and/or redifferentiation of chondrovtes. In particular, these are useful for cells, modulating and act in information or cartilage (e.g. loss of sight due to cells, modulating and act in markiticism in mammals.)

CC through retinal disorders or injuries (e.g. loss of sight due to retinate processor to robar interpressor or paper and their portions affect the arthritis promours, retinate processor in markiticismulandia.

CC copy. The propers or bone for a cartilage disorders (e.g. sports injuries or retinitis programents or bone for the in cell death. The polymucleotides are useful in molecular biology including uses as hybridisation probes for or DNA inheary to isolate the full-length PRO cDNA or to isolate other combinant or knockout animals which have a role in cell death. The polymucleotides and by, for preparing PRO pulpaptides, for generating engance in an males or knockout animals which have a role in cell death. The protein and for combinantly expressing the protein and for chromosome identification. The protein are useful in mid and protein are useful in mid and protein are useful for individuals with generate for properse, as therespentic dented and some probes and protein and pro
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ö Gaps ö 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; 1; Indels Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Mismatches ö Conservative Local Similarity 15; Query Match Best Loca Matches

ADH07594 standard; DNA; 18 BP (first entry) 25-MAR-2004 ADH07594; RESULT 224 ADH07594 

Human secreted/transmembrane protein, #45, PCR primer 2 #2.

Human, PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; protein therapy.

US2004006211-A1.

08-JAN-2004.

The invention discloses isolated PWO Secreted/Transmembrane Dolypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodise that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptides are useful cfor detecting other PRO polypeptides in a sample and for linking a bioactive molecule to a cell expressing a PRO polypeptide. The PRO polypeptide antibodies are useful for modulating the biological activity of a cell expressing PRO polypeptide. The PRO polypeptide or polymeptide are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. The PRO sequences can be used in gene and protein therapy. The PRO polypeptide, the agonist or antagonist or the anti-PRO antibody. The propeptides are used as hybridisation propes for generating transgenic animals useful in the development and screening of useful reagents, in chromosome identification or for tissue typing. The PRO polypeptides are used as hybridisation or for tissue typing. The PRO polypeptides are used as hybridisation or for tissue typing. The PRO polypeptides are used as hybridisation probes for gene mapping, cuseful reagents, in chromosome identification or for tissue typing. The PRO polypeptides are also useful in gene therapy, may be employed as conductoral weight markers for protein electrophoresis or as therapeutic agents. Anti-PRO antibodies are useful in diagnostic assays or for the affinity purification of PRO for recombinant cell culture or natural sources. The sequence presented is a DNA probe which was used to detect a PRO polypucide of the invention. NOTE: This sequence is described as PRO DNO 239 in Example 38 of the disclosure but is different from SEQ ID NO 239 in Example 38 of the disclosure but is different from SEQ ID NO 239 represented in the Sequence Listing. New secreted and transmembrane PRO polypeptides and nucleic acids, useful in gene therapy, as molecular weight markers for protein electrophoresis, as hybridization probes or as therapeutic agents. The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raison Gaps ò Mather JP; 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; Goddard A, Godowski PJ, Gurney AL, Wood WI; Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Example 38; Page 99; 466pp; English 99WO-US028313. 2000WO-US004414. 2000US-00665350. 98WO-US019330 12-JUL-2001; 2001US-00905125 (GURN/) GURNEY A L. (MATH) MATHER J P. (WILL/) WILLIAMS P M. (WOOD/) WOOD W I. GODDARD A. GODOWSKI P J. DESNOYERS L. WPI; 2004-081748/08. Desnoyers L, Williams PM, 30-NOV-1999; 22-FEB-2000; 18-SEP-2000; 24-OCT-1997; 16-SEP-1998; Query Match (GURN/) (MATH/) (DESN/) GODD/) (2000) 

1; Indels 0; Mismatches 1482 3 cadcardracteccae 18 1467 CAGCCTGTACTGCCAG Conservative Local Similarity nes 15; Conserv Matches ð g

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ADH60139 standard; DNA; 18 BP. ADH60139; RESULT 225 ADH60139 HXXXH

25-MAR-2004 (first entry)

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Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; nemenatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FRA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retrintis pigmentosum; obesity; dabete; hyperinsulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                        Human secreted/transmembrane protein, #45, PCR primer 2 #2.
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970S-0059113P.
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970S-0059122P.
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970S-0062285P.
970S-0062285P.
970S-0062814P.
970S-0063121P.
970S-0063124P.
970S-0063128P.
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970S-0063138P.
970S-0063738P.
970S-0063138P.
970S-0063738P.
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18. SEP-1997;
18. SEP-1997;
17. OCT-1997;
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17-NOV-1997;
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21-NOV-1997
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24-NOV-1997
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Desnoyers L, Eaton DL,
W, Gerber H, Gerritsen I
Gurney AL, Hillan KJ,
NF, Roy MA, Stewart TA,
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                            98WO-US018824.
98US-0100262P.
98WO-US019177.
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98US-0104080P-
98WS-0109304P-
98US-0113296P-
99US-0143648P-
99US-0145698P-
99US-0145622P-
99WS-0145622P-
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99WO-US021090.
99WO-US021547.
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99WO-US028214.
99WO-US028313.
99WO-US028564.
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2000WO-US000219.
2000WO-US003565.
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2000WO-US014042.
2000WO-US015264.
2000WO-US020710.
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Fong S, Gao W,
Grimaldi JC, G
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2000WO-US005841
2000WO-US007377
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (GETH ) GENENTECH INC.
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Godowski PJ, Gri
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05 - JAN - 2000;
21 - FEB - 2000;
24 - FEB - 2000;
20 - MAR - 2000;
20 - MAR - 2000;
30 - MAR - 2000;
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Filvaroff E,
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Williams PM,
04-JUN-1998;
10-SEP-1998;
14-SEP-1998;
14-SEP-1998;
16-SEP-1998;
17-SEP-1998;
17-SEP-1998;
17-SEP-1998;
11-SEP-1998;
10-DEC-1998;
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22-DEC-1998;
22-DEC-1998;
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22-DEC-1998;
22-DEC-1998;
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29-NOV-1999;
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02-DEC-1999;
16-DEC-1999;
20-DEC-1999;
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Ferrara N; ME, Goddard A; Kljavin IJ; Tumas D;

Novel isolated native PRO polypeptide useful for tissue typing, ar molecular weight markers in protein electrophoresis, for treating enterocolitis, Zollinger-Ellison syndrome, congenital microvillus atrophy.

Example 38; Page 99; 470pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antithe that specifically bind to the PRO polypeptide, for linking a bloactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO protein and for Inking a tordetecting other PRO polypeptides in a sample and for linking a bloactive molecule to a cell expressing a PRO polypeptides are useful complement of polypeptides of polypeptide antibodies are useful for modulating the biological activity of a cell expressing PRO polypeptides or polypeptides are useful for security of polypeptides or polypeptides are useful for simulating hypertrophy of neonatal heart, inhibiting vascular endothelial growth factor (VEGF)-stimulated culliferation of endothelial cells, inducing the proliferation of stimulated retimulated or proliferation of celimilated retimulated or proliferation of celimilated retimulating the proliferation of celimilated proceptor cells, inducing c-fos in endothelial

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GODOWSKI P J.

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differentiation of chondrocytes. Inparticular, these are useful detecting or treating student in particular, these are useful for detecting or treating cardiac insufficiency disorders, wounds, cancerous tumours, retinal disorders or injuries (e.g. isight due to retinitis pigmentouum), obesity, diabetes, hyperinsulinaemia, cancerous tumours, page or retinitis pigmentouum), obesity, diabetes, hyperinsulinaemia, cardial disorders (e.g. sports injuries or arthritis) in mammals. PRO polypetides and their portrions affect the expression of genes which have a note in cell death. The polymucleotides are useful in molecular biology including uses as hybridisation probes or cor DNA library to isolate the full-length RNO cDNA or to isolate other CDNAs, in chromosome and gene mapping, in the generation of antisense RNA and DNA, for preparing PRO polypeptides, for generating transgenic animals which are useful in the development and screening of therapeutically useful reagents, as probes and for the genetic analysis of individuals with genetic disorders as well as for recombinantly expressing the protein and for chromosome identification. The proteins are useful as molecular marker for protein electrophoresis purposes, as therapeutic agents, for screening compounds to identify the PRO polypeptide (angonists) or prevent the effect of the PRO polypeptide (angonists). The polymucleotides and proteins are useful for tissue typing. PRO antibodies are useful for immunohistochemical staining and/or assay of sample fluids, Anti-PRO antibodies are useful for in all and and and protein processing the protein and for angele or discourted and an antibodies and proteins are useful for any and and any processing for professing the processing t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         antibodies are useful in diagnostic assays for PRO e.g. detecting its expression in specific cells, tissues or serum and for affinity purification of PRO from recombinant cell culture or natural sources. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequence presented is a DNA probe which was used to described as SRO ID NO 239 in Example 38 of the disclosure but is different from SRQ ID NO 239 represented in the Sequence Listing.
    glucose or FFA uptake, inducing proliferation and/or re
modulating
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0; Gaps 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; ive 0; Mismatches 1; Indels Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Query Match 0.9 Best Local Similarity 93.8 Matches 15; Conservative

1467 CAGCCTGTACTGCCAG 1482 ADH07167 standard; DNA; 18 BP 3 CAGCATGTACTGCCAG 18 ADH07167; RESULT 226 ADH07167 ઠે

Human secreted/transmembrane protein, #45, PCR primer 2 #2. 25-MAR-2004 (first entry) protein therapy. 

Human, PCR, primer, ss, PRO, secreted, transmembrane, therapeutic, tissue typing, immunohistochemical staining, gene therapy; Homo sapiens.

16-SEP-1999; 98WO-USO19330. 30-NOV-1999; 99WO-USO2813. 22-PEB-2000; 2000US-00665350. 18-SEP-2000; 2000US-00907794. 29-MAY-2003; 2003US-00449656. 97US-0063128P US2004005665-A1. 24-OCT-1997; 08-JAN-2004.

DESNOYERS L.

(DESN/) 1 (GODD/)

GODDARD A.

Human; PCR; primer, ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fes; glucose; FPA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia;

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bloactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptides are useful for modulating the bioactive molecule to a cell expressing a PRO polypeptide are useful compared to a cell expressing a PRO polypeptide are useful compared to a cell expressing a PRO polypeptide and activity of a cell expressing PRO polypeptides in a sample and for linking a bloactive molecule to a cell expressing a PRO polypeptide are useful as pharmaceuticals, diagnostics, biosensors or polymelocides are useful as pharmaceuticals, diagnostics, biosensors or bioreactors. The PRO sequences can be used in the preparation of a medicament for the arti-PRO antibody. The nucleic acids encoding PRO condition which is responsive to the PRO polypeptide, the agonist or antagonist or the anti-PRO antibody. The nucleic acids encoding PRO generating transgenic animals useful in the development and screening of useful reagents, in chromosome identification or for tissue typing. The Compared are also useful in gene therapy, may be employed as molecular weight markers for protein electrophoresis or as therapeutic agents. Anti-PRO antibodies are useful in diagnostic assays or for the affinity purification of PRO for recombinant cell culture or natural sources. The sequence presented is a DAM probe was used to detect a sources. The sequence presented is a bank probe which was used to detect a SEQ ID NO 239 in Example 30 cm. ö New PRO polypeptides and nucleic acid molecules, useful in gene therapy, or preparing a medicament for treating a condition that is responsive to the PRO polypeptide or anti-PRO antibody, e.g. inflammatory diseases, cancer or AIDS. Gaps ö Mather JP; 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; tive 0; Mismatches 1; Indels Human secreted/transmembrane protein, #45, PCR primer 2 #2. Gurney AL, Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; ID NO 239 represented in the Sequence Listing. Godowski PJ, Example 38; Page 93; 462pp; English 1467 CAGCCTGTACTGCCAG 1482 ADI18909 standard; DNA; 18 BP. 3 CAGCATGTACTGCCAG 18 15-APR-2004 (first entry) Query Match
Best Local Similarity 93.8'
Matches 15, Conservative Goddard A, Wood WI; GURNEY A L. MATHER J P. WILLIAMS P M. WPI; 2004-081725/08. WOOD W I. Williams PM, Desnoyers L, ADI18909; (WILL/)
(WOOD/) (GURN/) RESULT 227 ADI18909 ò g 

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hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                                                                                                                                                                    9705-0059115P

9705-0059117P

9705-0059121P

9705-0059121P

9705-0059184P

9705-0059284P

9705-0052814P

9705-0052814P

9705-0063121P

9705-006312P

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9705-006312P

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9705-0066312P

9705-0066312P
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98US-0104080P.
98US-0109304P.
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                                                                                                              US2003152999-A1.
                                                                                                                                                                                                                                    17-SEP-1997;
17-SEP-1997;
17-SEP-1997;
17-SEP-1997;
17-SEP-1997;
                                                                               Homo sapiens
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21-0CT-1997

21-0CT-1997

24-0CT-1997

24-0CT-1997

24-0CT-1997

24-0CT-1997

24-0CT-1997

24-0CT-1997

28-0CT-1997

28-0CT-1997

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29-0CT-1997

29-0C
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24-NOV-1997;
24-NOV-1997;
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20-NOV-1998;
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10-SEP-1998
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21-NOV-19
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24-NOV-19
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Ferrara N;
i ME, Goddard A;
Kljavin IJ;
Tumas D;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Fong S, Gao W, G
Grimaldi JC, Gurn
Pan J, Paoni NF, R
Wood WI;
                                                                                                                                                                         99WO-US021547.
99WO-US02814.
99WO-US028313.
99WO-US028301.
99WO-US028564.
99WO-US028565.
99WO-US030995.
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2000WO-US003565.
2000WO-US004414.
2000WO-US005004.
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2000WO-US007377.
2000WO-US008439.
2000WO-US014042.
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2000WO-US020710.
2000WO-US023328.
2000US-00665350.
                                                                                                                99WO-US020594.
99WO-US020944.
99WO-US021090.
                                                  99US-0143048P
                                                                                             99US-0146222P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ashkenazi A,
Filvaroff E,
Godowski PJ,
Mather JP, Pa
                                                                                                                                                                                                                                                                                                                                                                                                   11-FEB-2000; 22-FEB-2000; 24-FEB-2000; 20-MAR-2000; 20-MAR-2000; 30-MAR-2000; 20-MAR-2000; 20-MA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Williams PM,
                                                                       26-JUL-1999;
28-JUL-1999;
13-SEP-1999;
15-SEP-1999;
15-SEP-1999;
16-OZ-1999;
30-NOV-1999;
31-SEC-1999;
01-DEC-1999;
02-DEC-1999;
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18-SEP-2000;
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20-DEC-1999;
20-DEC-1999;
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Sixty two isolated nucleic acids encoding a PRO polypeptide, e.g. PRO245 or PRO1868, useful for treating psoriasis and epithelial cancers such as lung squamous cell carcinoma.

# Example 38; Page 103; 426pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptides are useful context. PRO polypeptides in a sample and for modulating to bloactive molecule to a cell expressing a PRO polypeptide are useful of polypeptide antibodies are useful for modulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptide are useful as pharmaceuticals, disgnostics, blosensors or polymelocideds are useful for stimulating hypertrophy of neonatal context, inhibiting vascular endothelial growth factor (VEGF)-stimulated context, inhibiting vascular endothelial growth factor (VEGF)-stimulated context, inhibiting usecular endothelial growth factor (VEGF)-stimulated context, inhibiting usecular endothelial growth factor (VEGF)-stimulated context, inhibiting usecular endothelial growth factor (VEGF)-stimulated context, inhibiting userial cells, modulating the proliferation of context. Context inducing context in cells, modulating the proliferation of chondrocytes. In particular, these are useful for cells, modulating glucose or FFA uptake, inducing c-fos in endothelial cells, modulating pigmentosum), obesity, diabetes, wounds, cancerous tetninis pigmentosum), obesity, diabetes, hyperinsulinaemia, or bone or cartilage disorders (e.g. sports injuries or retinitis pigmentosum), obesity, diabetes, hyperinsulinaemia, or bone or cartilage disorders (e.g. sports injuries or expression of genes which have a role in cell death. The polypurclectides are useful in molecular biology including uses as hybridiation probes context. Or context in the generation of solate the full-length proliferation of solate other context.

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and DNA, for preparing PRO polypeptides, for generating transgenic
animals or knockout animals which are useful in the development and
screening of therapeutically useful reagents, as probes and for the
genetic analysis of individuals with genetic disorders as well as for
recombinantly expressing the protein and for chromosome identification.
The proteins are useful as molecular marker for protein electrophoresis
purposes, as therapeutic agents, for screening compounds to identify
those that minit the PRO polypeptide (agonists) or prevent the effect of
the PRO polypeptide (antagonists). The polynucleotides and proteins are
useful for tissue typing. PRO antibodies are useful for
immunohistochemical staining and/or assay of sample fluids. Anti-PRO
antibodies are useful in diagnostic assays for PRO e.g. detecting its
cypression in specific cells, tissues or serum and for affinity
purification of PRO from recombinant cell culture or natural sources. The
PRO genes may also be used in gene therapy, particularly for replacing a
defective gene. The sequence presented is a PCR primer which was used to
amplify a PRO polynucleotide of the invention. NOTE: This sequence is
described as SEQ ID NO 239 in Example 38 of the disclosure but is
different from SEQ ID NO 239 represented in the Sequence Listing.
                                                                                                                                                                                                                                                                                                                     ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; nenonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FRA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.
                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                     ;
                                                                                                                                                                                                                                                                                          0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.3e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human secreted/transmembrane protein, #45, PCR primer 2 #2.
                                                                                                                                                                                                                                                                   Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                               1467 CAGCCTGTACTGCCAG 1482
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97US - 0059117P
97US - 0059117P
97US - 0059121P
97US - 0059121P
97US - 0059261P
97US - 0059266P
97US - 0069266P
97US - 0062285P
97US - 0062285P
                                                                                                                                                                                                                                                                                                                                                                                                                                         ADI65629 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                       CAGCATGTACTGCCAG 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                        Local Similarity 93.8
les 15; Conservative
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Matches
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ADI65629
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970S-0063121P
970S-0063121P
970S-0063324P
970S-0063324P
970S-0063544P
970S-0063544P
970S-0063564P
970S-0063564P
970S-0063732P
970S-0063734P
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970S-0063734P
970S-0063734P
970S-0063734P
970S-0063734P
970S-0063734P
970S-00648P
970S-00648P
970S-00648P
970S-00664E
970S-0066479P
970S-0066479P
970S-0066479P
970S-0066479P
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98WO-US019330.
98US-0100858P.
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98US-0104080P.
98US-0109304P.
98WO-US025108.
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99US-0143048P.
99US-0145698P.
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99WO-US028313
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30-MAR-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    :6661
                24-0CT-1997;
24-0CT-1997;
                                                      27-0CT-1
28-0CT-1
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29-0CT-1
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29-0CT-1
29-0CT-1
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15-SEP-1
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Ferrara N; ME, Goddard A;

Eaton DL, Gerritsen

Desnoyers L,

ME, Goddard Kljavin IJ;

Tumas D;

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New isolated secreted and transmembrane PRO nucleic acids and polypeptides, useful for preventing, diagnosing and treating disorders associated with their aberrant expression and activity.
                                                             rong S, Gao W, Gerber H, Gerritsen
Grimaldi JC, Gurney AL, Hillan KJ,
Pan J, Paoni NF, Roy MA, Stewart TA,
Wood WI;
                                                           Botstein D, Desr
Fong S, Gao W,
Grimaldi JC, Gur
22-MAY-2000; 2000WO-US014042.
02-UUN-2000; 2000WO-US015564.
28-UUL-2000; 2000WO-US020710.
24-AUG-2000; 2000WO-US03328.
18-SEP-2000; 2000US-00665350.
                                             (GETH ) GENENTECH INC.
                                                                                                        WPI; 2004-020444/02.
                                                                                 Mather JP, Pa
Williams PM,
                                                                           Godowski PJ,
                                                            Ashkenazi A,
Filvaroff E,
 %XGCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCCX8X444X8XXX4444X8X4444X8XX4X4444X8XX4X4444
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The invention discloses isolated PRO secreted/transmembrane polypeptides and the nuclear caid encoding them. The polypeptides continking a discretive molecule call encoding them. The polypeptides continking a bloactive molecule to a cell expressing a PRO polypeptides are useful for the properties of the modulating a bloactive molecule to a cell expressing a PRO polypeptides are useful for detecting other PRO polypeptides in a sample and for linking a bloactive molecule to a cell expressing a PRO polypeptides are useful for polypeptides or polypeptides antibodies are useful for modulating the biological activity of a cell expressing PRO polypeptides. The PRO polypeptides or bloacetty molecule are useful for modulating hypertrophy of momeral heart, inhibiting vascular endothelial growth factor (VEGF) stimulated heart, inhibiting vascular endothelial growth factor (VEGF) stimulated contingeration of endothelial cells, inducing proliferation of endothelial cells, inducing proliferation of cells, modulating glucose or FRA uptake, inducing proliferation and/or cells, modulating glucose or FRA uptake, inducing proliferation and/or cells, modulating glucose or FRA uptake, inducing proliferation and/or cells, modulating or treating cardiac insufficiency disorders, wounds, cancerous cretinitis pigmentosum), obesity, disorders, inducing proliferation and/or cells, modulating or bose or zartilage disorders, wounds, cancerous retinitis pigmentosum), obesity, disorders, inducing proliferation and/or control arthritish in mammals. PRO polypeptides and thair portions affect the expression of genes which have a role in cell death. The polymuclectides are useful in molecular biology including uses as hybridisation of entience of propersing PRO polypeptides, for generating or transgenic animals or knockout animals which are useful in the devolopment and screening of therapeutically useful respents, for generating propersis of therapeutically which are useful in the protein are useful in a pecific antagnists. The polymuclecting ar purification of PRO from recombinant cell culture or natural sources. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequence presented is a PCR primer which was used to amplify a PRO polynucleotide of the invention. NOTE: This sequence is described as SEQ ID NO 239 in Example 38 of the disclosure but is described as SEQ ID NO 239 in Example 38 of the disclosure but is different from SEQ ID NO 239 represented in the Sequence Listing. Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Example 38; Page 106; 476pp; English

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Score 14.4; DB 1; Length 18;
Pred. No. 1.3e+02;
0; Mismatches 1; Indels
 tch 0.9%;
al Similarity 93.8%;
15; Conservative (
   Query Match
Best Local Similarity
Matches 15; Conserv
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03-NOV-1997

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Gaps

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Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy, enconatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial etal; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FPA; chondrocyte; retinal rereintis pigmentosum; obesity; diabete; hyperinaulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritis; anorectic.
                                                                                                                                   Human secreted/transmembrane protein, #45, PCR primer 2 #2.
1467 CAGCCTGTACTGCCAG 1482
                                                                                                                                                                                                                                                                                                                                                                                                                                                             9705-0062285P.
9705-0062287P.
9705-0062814P.
9705-0062814P.
9705-0063121P.
9705-0063121P.
9705-0063121P.
9705-0063124P.
                                                                       ADI37888 standard; DNA; 18 BP.
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97US-0059115P.
97US-0059117P.
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970S-0059121P.
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970S-0059184P.
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97US-0064103P.
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### (GETH ) GENENTECH INC.

Botstein D, Desnoyers L, Baton DL, Ferrara N; Fong S, Gao W, Gerber H, Gerriteen NE, Goddard A; Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ; an J, Paoni NF, Roy MA, Stewart TA, Tumas D; Wood WI; Pan J. Ashkenazi A, Filvaroff E, Godowski PJ, Mather JP, P Williams PM,

#### WPI; 2004-008942/01.

New PRO nucleic acid, useful for producing a PRO polypeptide, manufacturing a medicament for diagnosing or treating tumor, or for tissue typing.

# Example 38; Page 105; 474pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a

bioactive molecule to a cell expressing a PRO protein and for modulating a least one biological activity of a cell. RRO polypeptides are useful for detecting other PRO polypeptides in a sample and for linking a loadcitive molecule to a cell expressing a PRO polypeptide. The PRO polypeptide antibodies are useful for modulating the biological activity of polypeptide antibodies are useful for modulating the biological activity polypeptide antibodies are useful for modulating the biological activity polypeptide antibodies are useful for modulating probletation of modulating of a cells, modulating propletation of candibolal cells, modulating probletation of catanitation or rod photoceceptor cells, inducing proliferation of cells, modulating plucose or FRA uptake, inducing proliferation of chomorocytes. In particular these are useful for cells, modulating plucose or FRA uptake, inducing proliferation and/or redifferentiation of chomorocytes. In particular these are useful for cells, modulating plucose or FRA uptake, inducing proliferation and/or redifferentiation of chomorocytes. In particular propletations are tuneated propletation of chomorocytes. In particular polymore and portable and their portions affect the criminals planemals. Propletation of sold propletation and their portions affect the criminals planemals. Propletation of sold propletation and colletation of sold propletation and propletation of sold propletation and propletation of sold propletation and propletation of propletation and propletation of propletation and prop 

# Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

Gaps ö 0.9%; Score 14.4; DB 1; Length 18; 33.8%; Pred. No. 1.3e+02; 1; Indels 0; Mismatches Local Similarity 93.8%; Matches 15; Conservative Query Match

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1467 CAGCCTGTACTGCCAG 1482 3 CAGCATGTACTGCCAG 18 ò

RESULT 230

ADH97688 standard; DNA; 18 BP ADH97688; 

22-APR-2004 (first entry)

Human secreted/transmembrane protein, #45, PCR primer 2 #2.

Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulinaemia; hypoinsulinaemia; bord elsorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological;

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osteopathic; antiarthritic; anorectic.
                                                                   970S-0059113P
970S-0059113P
970S-0059112P
970S-0059122P
970S-0059122P
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                                                       16-JUL-2001; 2001US-00906618
                           US2003190610-A1
             Homo sapiens
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17-SEP-1997;
17-SEP-1997;
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99WO-US028214. 99WO-US028313. 99WO-US028564. 99WO-US028565. 99WO-US030095. 2000WO-US000219. 2000WO-US003565. 2000WO-US004414. 99WO-US021090. 99WO-US021547. 99WO-US023089. 30-VAR-2000; 2000WO-US008439. 22-MAY-2000; 2000WO-US014042. 02-JUN-2000; 2000WO-US015264. 28-JUL-2000; 2000WO-US020710. 99US-0146222P 2000WO-US005841 2000WO-US007377 24-AUG-2000; 2000WO-US023328 18-SEP-2000; 2000US-00665350 99WO-US020944 99WO-US030999 2000WO-US005004 20-DEC-1999; 05-JAN-2000; 21-FEB-2000; 24-FEB-2000; 02-MAR-2000; 30-MAR-2000; 30-MAR-2000; 26-JUL-1999; 28-JUL-1999; 08-SEP-1999; 13-SEP-1999; 15-SEP-1999; 15-SEP-1999; 29-NOV-1999; 30-NOV-1999; 01-DEC-1999 

### (GETH ) GENENTECH INC.

Ferrara N; ME, Goddard A; Kljavin IJ; Tumas D; Botstein D, Desnoyers L, Eaton DL, Pong S, Gao W, Gerber H, Gerritsen Fong Y, Growey AL, Hillan KJ, an J, Paoni NF, Roy MA, Stewart TA, an J, Pac Wood WI; Pan Ashkenazi A, Filvaroff E, Godowski PJ, Mather JP, Pa Williams PM,

#### WPI; 2004-032142/03.

New nucleic acid encoding a PRO polypeptide, useful for producing a recombinant PRO polypeptide and for treating tumors by gene therapy

## Example 38; Page 101; 471pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides.

and the mucleic acid encoding them. The polypeptides can be used to raise
antibodies that specifically bind to the PRO polypeptide, for linking a
bloactive molecule to a cell expressing a PRO protein and for modulating
at least one biological activity of a cell. PRO polypeptides are useful
for detecting other PRO polypeptides in a sample and for Inhking a
bloactive molecule to a cell expressing a PRO polypeptide. The PRO
co polypeptide antibodies are useful for modulating the biological activity
of a cell expressing PRO polypeptides. The PRO polypeptide or
co polypeptide are useful for simulating hypertrophy of neonatal
complex to these are useful for modulating the proliferation of
complex to the proposed or the proposed or cells, modulating the proliferation of
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cother modulating glucose or FRA uptake, inducing c-fos in endothelial
cother transing glucose or FRA uptake, inducing c-fos in endothelial
cother transing glucose or FRA uptake, inducing proliferation and checting or treating or treating cardiac insufficiency disorders, wounds, carcerous
cother modulation of chondrocytes. In particular, these are useful for
cretinitis pigmentosum), obesity, diabetes, hyperinsulinaemia,
cother transilinaemia, or bone or cartilage disorders (e.g. sports injuries or
arthritis) in mammals. PRO polypeptides and their portions affect the
corpha, in chromosome and gene mapping, in the generating transgenic
condamns, rectinity proprepring PRO polypeptides, for generating transgenic
condamns or knockout animals which are useful in the development and
corporating of therapeutically are generally in the development and
corporative proper proper propertices are properting to the propertically or preparing

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    genetic analysis of individuals with genetic disorders as well as for recombinantly expressing the protein and for chromosome identification. The proteins are useful as molecular marker for protein electrophoresis purposes, as therapeutic agents, for screening compounds to identify those that mimic the PRO polypeptide (agonists) or prevent the effect of the PRO polypeptide (antagonists). The polymucleotides and proteins are useful for tissue typing. PRO antibodies are useful for tissue typing. PRO antibodies are useful for assay of sample fluids. Anti-PRO antibodies are useful in diagnostic assays for PRO e.g. detecting its captession in appecific cells, tissues or serum and for affinity purification of PRO from recombinant cell culture or natural sources. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequence presented is a DRA probe which was used to detect a PRO polymucleotide of the invention. NOTE: This sequence is described as SEQ ID NO 239 in Example 38 of the disclosure but is
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                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; nencental heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete; hyperinsulnaemia; hypoinsulnaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritis; anorectic.
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RESULT 232

24-AUG-2000; 2000WO-US023328. 18-SEP-2000; 2000US-00665350. (GETH ) GENENTECH INC. Williams PM, 

Gaps ö Query Match 0.9%; Score 14.4; DB 1; Length 18; Best Local Similarity 93.8%; Pred. No. 1.3e+02; Matches 15; Conservative 0; Mismatches 1; Indels

1467 CAGCCTGTACTGCCAG 1482 |||| ||||||||||

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17-NOV-1997;

ADM25390 standard; DNA; 18 BP 8-OCT ADM2539( The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise and the nucleic acid encoding them. The polypeptides not be used to raise and the nucleic acid encoding them. The polypeptides are useful to the RRO polypeptides are useful activity of a cell. PRO polypeptide are useful activity of a cell. PRO polypeptide are useful activity of a cell. Expressing a PRO polypeptide are useful activity of a cell expressing a PRO polypeptide are useful as pharaceuticals, diagnostics, blosensors or lorgestides are useful as pharaceuticals, diagnostics, blosensors or polymotheorides are useful as pharaceuticals, diagnostics, blosensors or polymotheorides are useful for the standard of endothelial cells, modulating the proliferation of endothelial cells, modulating the proliferation of conformation and particular, these are useful for ethics are useful for the standard of chondrocytes. In particular, these are useful for ethics are related action in the standard action and/or relativity of cells, modulating discorders or right action in particular, these are useful for detecting or treating cardiac insulficiency disorders, wounds, cancerous culfiferantiation of chondrocytes. In particular, these are useful for detecting or treating cardiac insulficiency disorders, wounds, cancerous criticis pigmentosum, obesity, planetes of propried and disorders and process or propertions and process or call disorders and process or cell activities or expression of genes which have a role in cell death. The polymuclectides are useful in motecular biology including uses as hybridisation probes for convent animals which are useful actions and processing of the action and for chromosome and gene mapping in the generating transgenic configuration of motecular biology including user as processing the processing of processing of purposessing the processing are useful an encourage of the processing of purposessing the processing are useful an encourage of the pr Isolated secreted and transmembrane PRO nucleic acids and the proteins they encode, e.g. PRO245, PRO269 and PRO1868, useful for preventing, diagnosing and treating e.g. disorders relating to blood coagulation. Ferrara N; n ME, Goddard A; Kljavin IJ; Tumas D; Botstein D, Desnoyers L, Eaton DL, Fong S, Gao W, Gerber H, Gerritsen | Grimaldi JC, Gurney AL, Hillan KJ, Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other; Example 38; Page 102; 478pp; English. Wood WI; Ashkenazi A, Botste Filvaroff E, Fong S Godowski PJ, Grimal Mather JP, Pan J, WPI; 2004-020441/02

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tissue typing; immunodistochemical staining; gene therapy; neonatal heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FFA; chondrocyte; retinal retinitis pigmentosum; obesity; diabete; hyperinaulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritis; anorectic.
                                                                  Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic;
                                              Human secreted/transmembrane protein, #45, PCR primer 2 #2
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97US-0063121P.
97US-0063127P.
97US-0063128P.
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97US-0063329P.
97US-0063541P.
97US-0063542P.
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97US-0064103P.
97US-0064248P.
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97US-0065186P.
97US-0065846P.
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97US-0062285P.
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                           20-MAY-2004 (first entry)
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                                                                                                                                                                             Homo sapiens.
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24-OCT-1997;
24-OCT-1997;
24-OCT-1997;
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17-OCT-1997;
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98US-0113296P.
99US-0143048P.
99US-0145698P.
99US-0146222P.
99WO-US020594.
     97US-0066120P.
97US-0066453P.
97US-0066451P.
97US-0066511P.
97US-0066770P.
97US-006640P.
97US-006940P.
97US-0069425P.
98US-00998028P.
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99WO-US021090.
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28-JUL-2000; 2000WO-US020710.
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98US-0100262P
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20-MAR-2000; 2000WO-US007377.
30-MAR-2000; 2000WO-US008439.
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25-NOV-1997;
12-DEC-1997;
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### (GETH ) GENENTECH INC.

, Botstein D, Desnoyers L, Eaton DL, Ferrara N; , Fong S, Gao W, Gerber H, Gerritsen ME, Goddard A; , Grimaldi JC, Gurney AL, Hillan KJ, Kljavin IJ; , Ann J, Paoni NF, Roy MA, Stewart TA, Tumas D; , wood WI; Ashkenazi A, Filvaroff E, Godowski PJ, Mather JP, P Williams PM,

### WPI; 2004-096547/10.

Sixty one isolated nucleic acids encoding a PRO polypeptide, e.g. PRO245 or PRO1868, useful in chromosome and gene mapping, in generating antisense RNA and DNA, and in treating cancer and Alzheimer's disease.

# Example 38; Page 112; 483pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptides can be used to raise antibodies that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a cell expressing a PRO protein and for modulating at least one biological activity of a cell. PRO polypeptides are useful for detecting other PRO polypeptides in a sample and for linking a

CC bloadcive molecule to a cell expressing a RPO polypeptide. The RPO polypeptide antibodies are useful for modulating the biological activity of polypeptide antibodies are useful as pharmaceuticals, diagnostica, biosensors or polynucleotides are useful for stimulating hypertrophy of meonatal heart. Inhibiting vascular endothelial growth factor (VEGF) estimulated proliferation of endothelial cells, modulating proliferation of endothelial cells, modulating proliferation of choraccytes, enhancing the survival or proliferation of endothelial growth factor (VEGF) estimulated cells, modulating glucose or FRA uptake, inducing proliferation and/or receips, modulating glucose or FRA uptake, inducing cross in endothelial cells, modulating glucose or FRA uptake, inducing proliferation and/or redetecting or treating cardiac insufficiency disorders, wounds, cancerous cumours, retinal disorders or injuries (e.g. loss of sight due to chiff this pigmentosum), obesity, diabetes, hyperimulinaemia, in the genes which have a role in cell death. The polymucleotides are useful in molecular biology including uses as hybridisation probes or chritis) in mammals. PRO polypeptides and their portions affect the conformation of procone and genes mapping, in the generation of antisense RNA and DNA, for preparing PRO polypeptides, for generating transgenic and DNA, for preparing PRO polypeptides, for generating transgenic and process, as therapeutically useful reagents, as probes and for the generation of therapeutically useful reagents, as probes and for the generation of the process and for chromosome identification. The proteins are useful in diagnostic assay for RNO escenting of useful calling and/or assay of sample fluids. Anti-PRO immunohistochemical scalining and/or assay of sample fluids. Anti-PRO immunohistochemical scalining and/or assay of sample fluids. Anti-PRO cumunohistochemical scalining the process or serum and process o bioactive molecule to a cell expressing a PRO polypeptide. The PRO 

# Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

Gaps . 0 0.9%; Score 14.4; DB 1; Length 18; 93.8%; Pred. No. 1.38+02; tive 0; Mismatches 1; Indels Query Match
Best Local Similarity 93.8'
Matches 15; Conservative

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1467 CAGCCTGTACTGCCAG 1482 3 cagcargracreccag 18 ò g

RESULT 233

ADM30140

ADM30140 standard; DNA; 18 BP ADM30140; 

20-MAY-2004 (first entry)

Human secreted/transmembrane protein, #45, PCR primer 2 #2.

Human; PCR; primer; ss; PRO; secreted; transmembrane; therapeutic; tissue typing; immunohistochemical staining; gene therapy; necental heart; vascular endothelial growth factor; VEGF; proliferation; endothelial cell; stimulated T-lymphocyte; retinal neuron; rod photoreceptor cell; c-fos; glucose; FRA; chondrocyte; cardiac insufficiency disorder; wound; cancer; tumour; retinal disorder; retinitis pigmentosum; obesity; diabete, hyperinaulinaemia; hypoinsulinaemia; bone disorder; cartilage disorder; sport injury; arthritis; cardiant; vulnerary; cytostatic; ophthalmological; osteopathic; antiarthritic; anorectic.

Homo sapiens.

US2003190611-A1

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Page 129

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970S-0059115P
970S-0059117P
970S-0059117P
970S-0059121P
970S-0059122P
970S-0059121P
970S-0059263P
970S-0062287P
970S-0062287P
970S-0062287P
970S-0062312P
970S-0063120P
970S-0063120P
970S-0063121P
970S-006312P
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98WO-US019330.
98US-0100858P.
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                   17-JUL-2001; 2001US-00907728
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99WO-US020944
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      09-OCT-2003
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17-OCT-19
21-OCT-19
24-OCT-19
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ME, Goddard A;
Kljavin IJ;
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                                                                                                                                                                     Botstein D, Desnoyers L, Eaton DL,
Fong S, Gao W, Gerber H, Gerritsen
Grinaldi JC, Gurney AL, Hillan KJ,
an J, Paoni NF, Roy MA, Stewart TA,
                                                        99WO-US030911.
99WO-US030999.
2000WO-US000219.
                                                                                                    2000WO-US007377.
2000WO-US008439.
2000WO-US014042.
2000WO-US015264.
           99WO-US023089.
99WO-US028214.
99WO-US028313.
                              99WO-US028301.
99WO-US028564.
99WO-US028565.
99WO-US030095.
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2000US-00665350
                                                                            2000WO-US003565
                                                                                   2000WO-US004414
                                                                                        2000WO-US005004
2000WO-US005841
                                                                                                                                                                                              Wood WI;
                                                                                                                                                        (GETH ) GENENTECH INC.
                                                                                                                                                                                       Pan J,
                                                                                                                                                                                                            WPI; 2004-020978/02
                                                                                                                                                                    Ashkenazi A,
Filvaroff E,
Godowski PJ,
Mather JP, Pa
Williams PM,
                             02-DEC-1999;
02-DEC-1999;
02-DEC-1999;
16-DEC-1999;
20-DEC-1999;
20-DEC-1999;
05-JAN-2000;
                                                                                  22-FEB-2000;
24-FEB-2000;
02-MAR-2000;
                                                                                                     20-MAR-2000;
30-MAR-2000;
22-MAY-2000;
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                                                                                                                         02-JUN-2000;
                         30-NOV-1999
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New PRO nucleic acid, useful for preparing a composition for treating e.g., tumor or for tissue typing.

Example 38; Page 101; 472pp; English.

The invention discloses isolated PRO secreted/transmembrane polypeptides and the nucleic acid encoding them. The polypeptide can be used to raise and the nucleic acid encoding them. The polypeptide can be used to raise can tibodies that specifically bind to the PRO polypeptide, for linking a bioactive molecule to a cell expressing a PRO polypeptide are useful for a cell expressing a PRO polypeptides are useful conductive molecule to a cell expressing a PRO polypeptides are useful for acid lating to a cell expressing strongly by the biological activity of a cell expressing strongly by polypeptides. The PRO polypeptides or bioacative molecule as planmaceuticals, diagnostics, biosensors or bioreactors. These are useful for stimulating hypertrophy of neonatal heart, inhibiting vascular endothelial growth factor (VEGP) stimulated conductors. These are useful for stimulating hypertrophy of neonatal heart, inhibiting vascular endothelial growth factor (VEGP) stimulated cells, modulating the proliferation of endothelial cells, modulating the proliferation of condrocyces, enhanced as urvival or proliferation of condrocyces, enhanced or proliferation of condrocyces, in particular, these are useful for cells, modulating proliferation of condrocyces. In particular, these are useful for cells, modulating or tracting glucose or FRA uperiorilar, these are useful for cells, modulating or tracting or tracting cardiac insufficiency disorders, wounds, cancerous cumours, retinal disorders or injuries of 100 seo for sight due to cells, modulating or tracting or tracting or tracting cardiac insufficiency disorders, wounds, concerous contacting or tracting or tracting propositions and their portions affect the are useful in molecular biology including or described and bulk, for preparing PRO polypeptides and their portions affect the company, or preparing PRO polypeptides for generating transgenic combinantly expressing the procein and for chromosome and gene mapping, in the generating cardiac endicated as well in a molecular market

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          useful for tissue typing. PRO antibodies are useful for immunohistochemical staining and/or assay of sample fluids. Anti-PRO antibodies are useful in diagnostic assays for PRO e.g. detecting its expression in specific cells, tissues or serum and for affinity purification of PRO from recombinant cell culture or natural sources. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The sequence presented is a DNA probe which was used to detect a PRO polynucleotide of the invention. NOTE: This sequence is described as SEQ ID NO 239 in Example 38 of the disclosure but is different from SEQ ID NO 239 represented in the Sequence Listing.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New antibodies binding PRO polypeptides, useful in gene therapy, or in diagnostic assays for the PRO polypeptides, or for the affinity purification of PRO polypeptides from recombinant cell culture or natural
polypeptide (antagonists). The polynucleotides and proteins are
                                                                                                                                                                                                                                        Gaps
                                                                                                                                                                                                                                      0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Godowski PJ, Gurney AL, Mather JP;
                                                                                                                                                                                                       0.9%; Score 14.4; DB 1; Length 18; 3.8%; Pred. No. 1.3e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human; PRO; 88; affinity purification; PCR; primer.
                                                                                                                                                                          Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 38; Col 183; 445pp; English.
                                                                                                                                                                                                                                                                   1467 CAGCCTGTACTGCCAG 1482
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98WO-US019330.
99WO-US028313.
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                                                                                                                                                                                                                                                                                      CAGCATGTACTGCCAG 18
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18-SEP-2000; 2000US-00665350
                                                                                                                                                                                                                     1 Similarity 93.8%;
15; Conservative
                                                                                                                                                                                                                                                                                                                                                                       ADO06462 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human PRO PCR primer #198.
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Wood WI;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-106364/11.
                                                                                                                                                                                                                       Best Local Similarity
Matches 15; Conserv
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Williams PM,
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30-NOV-1999;
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The invention relates to an antibody that binds to a human PRO polypeptide. The invention also relates to human PRO polypucleotides encoding the PRO polypeptides of the invention. The antibody is a monoclonal or humanised antibody, or is an antibody fragment, and is preferably labelled. The anti-PRO antibodies may be used in diagnostic assays for PRO, or for the affinity purification of PRO from recombinant cell culture or natural sources. This sequence represents a PCR primer used in isolation of a human PRO polynucleotide of the invention.

Sequence 18 BP; 4 A; 7 C; 4 G; 3 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                              Ribozyme; hairpin; hammerhead; gene therapy; vasotropic; restenosis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to a hairpin or hammerhead ribozyme, designed to cleave RNA encoding a cyclin or cell-cycle dependent kinase other than cell-cycle dependent kinases CDK1, PCNA and Cyclin B1.
Representative examples of ribozyme recognition sites are given in AAABASTS. to AAABG787. The ribozyme of the invention is useful for inhibiting restenosis by introduction of the ribozyme into cells. The ribozyme is resistant to endonuclease activity and hence is efficient in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New hairpin and hammerhead ribozyme for inhibiting restenosis, cleaves RNA encoding a cyclin or cell-cycle dependent kinase other than CDK1, PCNA and Cyclin B1.
                           Gaps
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 Length 18;
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                         Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.4e+02;
tive 0; Mismatches 1;
0.9%; Score 14.4; DB 1;
93.8%; Pred. No. 1.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Cdc25 hs ribozyme binding site SEQ ID NO:3563.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Robbins JM;
                         0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 100; 109pp; English.
                                                                                                                                                                                                                                  Cdc 25 hs ribozyme binding site #85.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Welch PJ, Barber JR,
                                                      1467 CAGCCTGTACTGCCAG 1482
                                                                                                                                                   BP
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                                                                                                                       RESULT 235
AAA85977/c
ID AAA85977 standard; DNA; 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAH61139 standard; DNA; 19
                                                                        3 CAGCATGTACTGCCAG
                                                                                                                                                                                                       (first entry)
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Best Local Similarity 93.8
Matches 15; Conservative
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                            15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       restenosis treatment
                                                                                                                                                                                                                                                                                                                                                                                                                            (IMMU-) IMMUSOL INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WPI; 2000-412314/35.
            Local Similarity
                                                                                                                                                                                                                                                                                                                 WO200032765-A2.
                                                                                                                                                                                                                                                                                                                                                                       06-DEC-1999;
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  Query Match
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                                                                                                                                                                                                                                                                                      Mammalia
               Best Loca
Matches
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                                                                              셤
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The present invention describes a method for treating a proliferative skin or eye disease and scarring. The method involves administering a ribozyme (I) which cleaves RNA encoding a cytckine involved in inflammation, matrix metalloproteinase (MMP), cyclin, cell-cycle dependent kinase, growth factor or a reductase, or administering a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a nucleic acid molecule (II) comprising a promoter operably linked to a companie of the segment encoding (I). (I) can have antiposcriatic, dermatclogical, cytostatic, antiseborrheic, antisickling, ophthalmological, vulnerary, keratolytic and virucide activities, and cleaves RNA encoding cytokine involved in inflammation. (I) can be used in gene therapy. (I) and (II) are useful for treating proliferative skin diseases such as psoriasis, atopic dermatitis, actinic keratosis, squamous or basal cell carlingma and viral or seborrheic wart. They can also be used for treating proliferative eye diseases such as diabetic retinopathy, vitreoretinopathy, sickle cell retinopathy, retinopathy of prematurity and retinal detachment, and for treating and preventing scarring such as keloid, adhesion and hypertrophic or hypertrophic burn scar. AAH$7577 to AAH$2089 represent sequences used in the exemplification of the present invention
                                            recognition site; target; ribozyme binding site; eye disease; vulnerary; proliferative disease; skin disease; psoriasis; diabetic retinopathy; cytokine; inflammation; cell-cycle dependent kinase; cyclin; MMP; matrix metalloprotesinase; growth factor; reductase; scarring; cytostatic; antipsoriatic; dermatological; antiseborrheic; antidiabetic; virucide; antisickling; ophthalmological; keratolytic; gene therapy; viral wart; atopic dermatitis; actinic keratosis; squamous cell carcinoma; basal cell carcinoma; seborrheic wart; vitreoretinopathy; scar; sickle cell retinopathy; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Treating proliferative skin or eye diseases and scarring, using ribozymes that cleave RNA encoding cytokines involved in inflammation, matrix metalloproteinases, growth factors and cell-cycle dependent kinases.
                         Human; ribozyme therapy; hairpin ribozyme; hammerhead ribozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Seguence 19 BP; 4 A; 2 C; 6 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 1; Page 331; 408pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              26-OCT-2000; 2000WO-US029500.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99US-0161532P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Tritz R;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (IMMU-) IMMUSOL INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-300427/31.
                                                                                                                                                                                                                                                                                                                                                                         WO200130362-A2
                                                                                                                                                                                                                                                                                                     Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             26-OCT-1999;
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                                                                                                                                                                                                                                                                                                                          Synthetic.
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0.9%; Score 14.4; DB 1; Length 19; 3.8%; Pred. No. 1.4e+02;
               93.8%;
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Gaps
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                   1; Indels
                     Mismatches
        Local Similarity 93.8
les 15; Conservative
Query Match
                     Matches
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893 CCAAGAACTTTGCCCA 908
                                   16 ccaacaarrrcccca 1
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ADM00071 standard; RNA; 19
                                              ADM00071;
ADM0007
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RESULT 237

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20-MAY-2004 (first entry)
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Virucide; Hepatotropic; Gene therapy; ss; short interfering nucleic acid; siNA; hepatitis B virus; HBV; RNA interference. Hepatitis B virus short interfering nucleic acid (sina) #487. Beigelman L; 16-SEP-2002; 2002US-00244647. 99US-00436430. 2000US-00531025. 2000US-00636385. 2000US-00696347. 2001US-00877478. 2001US-0296876P. 2001US-0337055P. 2002US-0358580P. 2002US-0363124P. 2002WO-US009187 2002US-0386782P. 2002US-0406784P 2001US-0335059P 2002US-0409293P Mcswiggen JA, (MORR/) MORRISSEY D. (MCSW/) MCSWIGGEN J A. (BEIG/) BEIGELMAN L. WPI; 2003-901032/82. Hepatitis B virus. US2003206887-A1. 24-OCT-2000; 208-JUN-2001; 308-JUN-2001; 24-OCT-2001; 05-DEC-2001; 20-FEB-2002; Morrissey D, 26-MAR-2002; 06-JUN-2002; 08-NOV-1999; 20-MAR-2000; 09-AUG-2000; 29-AUG-2002; 09-SEP-2002; 11-MAR-2002;

New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for characterizing gene function.

Claim 11; Page 47; 72pp; English.

the invention relates to a since interieting indicated acta (sind) molecule that down-regulates expression of a hepatitis B virus (HBV) gene by RNA interference or that inhibits HBV replication. Also disclosed are the collowing: (1) a method of modulating the expression of a HBV gene in a tissue explant; (11) a method of generating a library of sinA constructs having predetermined complexity; (iii) a cell containing one or more sinA complexity; (iii) a cell containing one or more sinA complexity; (iii) a cell containing one or more sinA complexity in a method of supplemental a cell, tissue or corganism; and (v) a method for synthesising a sinA molecule. The sinA corporate is adapted for use to treat HBV infection, and comprises a sense and an antisense region, where the antisense region comprises sequence complementary to an RNA sequence encoding HBV and the sense region comprises the molecule is assembled from 2 nucleic acid fragments, where one fragment comprises the sense region of the sinA molecule, where sense region and the sinA molecule is a polynucleotide antisense region of the sinA molecule, where sense region and the antisense region and the antisense region comprises as 3'-centainal overhang and the antisense region comprises and are covalently connected via a linker molecule. The linker molecule is a polynucleotide. The antisense region 3'-terminal overhang seach comprises about 2 nucleotides. The antisense region 3'-terminal overhang is complementary to RNA configurations, and for characterising pathways of genee function, e.g. to inhibit activity of target genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the function of uncharacterised genes in a pathway to determine the sina contains. The invention relates to a short interfering nucleic acid (siNA) molecule

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RESULT 239
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may also be used in clinical, industrial, environmental, agricultural and/or research settings. The present sequence represents 1 of 1504 HBV siNA molecules of the invention.
                                                                              Gaps
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                                                                                                                                                                                                                              Hepatitis B virus short interfering nucleic acid (siNA) #1133.
                                                         Query Match 0.9%; Score 14.4; DB 1; Length 19; Best Local Similarity 50.0%; Pred. No. 1.4e+02; Matches 8; Conservative 7; Mismatches 1; Indels
                                        Sequence 19 BP; 2 A; 6 C; 3 G; 0 T; 8 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Morrissey D, Mcswiggen JA, Beigelman L;
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99US-00436430.

2000US-00531025.

2000US-00531025.

2001US-0087478.

2001US-02966747.

2001US-0335059P.

2001US-0335059P.

2001US-0335059P.

2001US-0335059P.

2002US-0363124P.

2002WO-US09187.

2002WO-US09187.

2002WO-US09187.
                                                                                                    1043 TCTTCATGCTGCT 1058
                                                                                                                                                                       ADM00717 standard: RNA; 19 BP
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09-SEP-2002; 2002US-0409293P
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                                                                                                              1 UCUUCAUCCUGCUGCU 16
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                                                                                                                                                                                                            20-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MORR/) MORRISSEY D.
(MCSW/) MCSWIGGEN J A.
(BEIG/) BEIGELMAN L.
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24-OCT-2000;
08-JUN-2001;
08-JUN-2001;
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05-DEC-2001;
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29-AUG-2002;
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tissue explant; (ii)) a method of generating a library of siNA constructs having predetermined complexity; (iii) a cell containing one or more siNA molecules; (iv) a kit containing a siNA molecule which can be used to modulate the expression of a HBV target gene in a cell; tissue or organism; and (v) a method for synthesising a siNA molecule. The siNA companies region, where the antisense region comprises sequence complementary to an RNA sequence encoding HBV and the sense region comprises sequence complementary to the antisense region comprises the sense region and the sense region and the sense region and the sense region and the siNA molecule is assembled from 2 nucleic acid fragment comprises the sense region of the siNA molecule. Where sense region and the comprises region of the siNA molecule. The linker molecule is a polynucleotide antisense region comprise separate oligonucleotides, and are covalently connected via a linker molecule. The linker molecule is a polynucleotide linker or a non-nucleotide linker. The sense region comprises a 3'-terminal overhang is comprises a 3'-terminal overhang is comprises a 3'-terminal overhang is complementary to RNA encoding HBV. The sink is useful for treating human hepatitis B virus contining HBV. The sink is useful for treating human hepatitis B virus contining HBV. The sink is useful for treating human hepatitis B virus contining the activity of target genes in a pathway to determine the function and/or research settings. The sink molecules and/or research settings. The sink and continings. The presents of page of the function and/or research settings.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 14.4; DB 1; Length 19; larity 93.8%; Pred. No. 1.4e+02; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 19 BP; 8 A; 3 C; 6 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            sina molecules of the invention.
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24-OCT-2001; 2001US-0335059P.
05-DEC-2001; 2001US-0337055P.
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26-MAR-2002; 2002WO-038059187.
06-UUU-2002; 2002US-0386782P.
29-AUG-2002; 2002US-0406784P.
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99US-00436430.
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09-AUG-2000; 2000US-005385-
24-OCT 20001; 2000US-00695347-
08-JUN-2001; 2001US-00877478
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Matches 15; Conserv
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20-MAR-2000;
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The invention relates to a short interfering nucleic acid (siNA) molecule that down-regulates expression of a hepatitis B virus (HBV) gene by RNA contreferance or that inhibites HBV replication. Also disclosed are the following: (i) a method of modulating the expression of a HBV gene in a cilcusus explant; (ii) a method of generating a library of siNA constructs having predetermined complexity; (iii) a cell containing one or more siNA molecules; (iv)a kit containing a siNA molecule which can be used to complement or an expression of a HBV target gene in a cell, tissue or correct in an antisense region, where the antisense region comprises sequence complementary to an RNA sequence encoding HBV and comprises sequence complementary to an RNA sequence encoding HBV and the sense region comprises the sense region and the sense region. The siNA molecule is assembled from 2 nucleic acid fragments, where one fragment comprises the sense region and the second fragment comprises the sense region of the siNA molecule. Where sense region and the constructed via a linker molecule. The linker molecule is a polynucleotides. Comparises region of the siNA molecule of indication and the antisense region comprises a 3'-terminal overhang and the antisense region comprises a 3'-terminal coverhang seach comprises a 3'-terminal coverhang is complementary to RNA.

The antisense region of the antisense region comprises a 3'-terminal coverhang and the antisense region comprises a 3'-terminal coverhang seach complementary to RNA.

The antisense region of the singent foor tracting hand he pathway of gene function, e.g. to inhibit activity of target genes in a pathway to determine the function and/or researce sense region comprises a 3'-terminal coverhang seach setting gene function and presents sequence of sundering gene function and presents of the present sequence represents 1 of 1504 HBV sinal propersions.
                                                                                                                                                                                                                                                                                     New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for
                                                                                                                                                                                     Morrissey D, Mcswiggen JA, Beigelman L;
                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 11; Page 47; 72pp; English.
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                                                                                                                                                                                                                                                                                                                                                                     characterizing gene function.
05-SEP-2002; 2002US-0408378P.
                                                                            MORRISSEY D.
MCSWIGGEN J A.
BEIGELMAN L.
                                                                                                                                                                                                                                         WPI; 2003-901032/82
                                                                               MORR/)
                                                                                                        (MCSW/)
(BEIG/)
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Gaps ö 0.9%; Score 14.4; DB 1; Length 19; 50.0%; Pred. No. 1.4e+02; 1, Indels Sequence 19 BP; 2 A; 7 C; 2 G; 0 T; 8 U; 0 Other Mismatches Conservative Local Similarity nes 8; Conserv Query Match Matches

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ADM00707 Btandard; RNA; 19 BP (first entry) 20-MAY-2004 ADM00707; RESULT 240 ADM00707/c 

Hepatitis B virus short interfering nucleic acid (siNA) #1123.

Virucide; Hepatotropic, Gene therapy; ss. short interfering nucleic acid; siNA; hepatitis B virus; HBV; RNA interference.

Hepatitis B virus

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2001US-0337055P.
2002US-0358580P.
2002US-0363124P.
                                                2001US-0296876P
                 16-SEP-2002; 2002US-00244647
                                                                 2002WO-US009187
                                                                         2002US-0406784P
                                         2000US-00696347
                                                                               2002US-0409293P
   US2003206887-A1.
                                             08-JUN-2001;
08-JUN-2001;
24-OCT-2001;
                                                       05-DEC-2001;
20-FEB-2002;
11-MAR-2002;
                                                                     06-JUN-2002;
                                      09-AUG-2000;
                                         24-OCT-2000;
                                                                 26-MAR-2002;
                                                                        29-AUG-2002,
          06-NOV-2003
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Beigelman L; Mcswiggen JA, Ď, Morrissey

op i

MORRISSEY BEIGELMAN

(MORR/) (MCSW/) (BEIG/) WPI; 2003-901032/82.

New short interfering nucleic acid molecules which down-regulates expression of a hepatitis B virus (HBV) or which inhibits HBV replication, useful for treating human HBV infections or for characterizing gene function.

Claim 11; Page 47; 72pp; English.

that down-regulates expression of a hepatitis B wirus (HHW) gene by RNA interference or that inhibits HBV replication. Also disclosed are the following: (i) a method of modulating the expression of a HBV gene in a tissue explant; (ii)) a method of generating a library of siNA constructs having predetermined complexity; (iii) a cell containing one or more siNA molecules; (iv) a kit containing a siNA molecule which can be used to modulate the expression of a HBV target gene in a cell; tissue or cranism; and (v) a method for synthesising a siNA molecule. The siNA molecule is adapted for use to treat HBV infection, and comprises a sense complementary to an RNA sequence encoding HBV and the sense region comprises sequence complementary to the antisense region. The siNA comprises the sense region and the second fragment comprises the comprises the sense region and the second fragment comprises the comprises region of the second fragment comprises the sense region of the second fragment region and the invention relates to a short interfering nucleic acid (siNA) molecule antisense region comprise separate oligonuclectides, and are covalently connected via a linker molecule. The linker molecule is a polynuclectide linker or a non-nuclectide linker. The sense region comprises a 3'-terminal overhang and the antisense region comprises a 3'-terminal overhang a 3'-terminal overhangs each comprise about 2 nuclectides. The Antisense region 3'-terminal overhang is complementary to RNA encoding HBV. The siNA is useful for treating human hepatitis B virus infections, and for characterising pathways of gene function, e.g. to inhibit eactivity of target genes in a pathway to determine the function of uncharacterised genes in gene function analysis. The siNA molecules may also be used in clinical, industrial, environmental, agricultural so be used in clinical, industrial, environmental, a research settings. The present sequence represents sina molecules of the invention.

Seguence 19 BP; 8 A; 2 C; 7 G; 0 T; 2 U; 0 Other;

DB 1; Length 19; 0.9%; Score 14.4;

Query Match

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Gaps

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1; Indels

0.9%; Score 14.4; DB 1; 13.8%; Pred. No. 1.4e+02; ve 0; Mismatches 1;

93.8%; FL.

15; Conservative

Matches

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Query Match Best Local Similarity

small interfering RNA; siRNA; protein tyrosine phosphatase; PTP; PTP1B; insulin receptor protein phosphorylation; Jak2; antidiabetic; anorectic; antiinflammatory; neuroprotective; cytostatic; immunosuppressive; antimicrobial; gene therapy; ss; siRNA. Gaps ö Protein tyrosine phosphatase siRNA sequence, SEQ ID No 566. Indels 93.8%; Pred. No. 1.4e+02; tive 0; Mismatches 1; ADH01954 standard; RNA; 19 BP. 23-MAY-2003; 2003WO-US016651. 23-MAY-2002; 2002US-0383249P. 14-APR-2003; 2003US-0462942P. 1043 TCTTCATGCTGCTGCT 18 rcrrcarcricricr 11-MAR-2004 (first entry) 15; Conservative Best Local Similarity (CEPT-) CEPTYR INC WO2003099227-A2 ADH01954; Matches ð

New small interfering polynucleotide that modulates protein tyrosine phosphatase (PTP)1B polypeptide signal transduction, useful for treating disorders associated with altered PTP1B signal transduction, e.g. diabetes or cancer.

Wilson LK;

Lewis SP, Klinghoffer R,

WPI; 2004-035036/03.

Example 3; SEQ ID NO 566; 234pp; English.

The invention relates to a novel isolated small interfering RNA (siRNA)

Computation defined sequences given in the specification. The invention further relates to: a pharmaceutical composition comprising a new siRNA polynucleotide and a physiological carrier; a recombinant nucleic acid construct, comprising a polynucleotide that is capable of directing transcription of an siRNA; a host call transformed or transfected with the above recombinant nucleic acid construct; a method for interfering the above recombinant nucleic acid construct; a method for interfering cis variant; a method for identifying a component of a PTP1B signal cis variant; a method for modulating an insulin receptor protein phosphorylation state in a cell; a method for altering a Jak2 protein phosphorylation state in a cell; an method for treating a Jak2 protein phosphorylation state in a cell; an enthod for treating a Jak2 protein phosphorylation state in a cell; an enthod for treating a Jak2.

Component of a protein treating disorders antidiabetic, anorectic, antimifiammatory, neuroprotective, cytostatic, immunosuppressive, and antimicrobial. The novel siRNA polynucleotides can be used in gene therapy to treat disorders. The composition and methods are used in gene therapy to treat disorders. The composition and methods are used in gene therapy to treat disorders associated with PTP1B—mediated signal transduction, such as diabetes, obesity, hyperglycaemia induced apoptosis, inflammation, neurodegenerative disorders, cancer, autoimmune diseases or inflating polymuclectide sequence represents an siRNA used for modulating the signal transduction of a protein tyrosine phosphatase of the invention.

Seguence 19 BP; 6 A; 6 C; 5 G; 0 T; 2 U; 0 Other;

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The present invention relates to a primer set and method for mapping at least the variation/mutation part of a plant gene using a gene least the variation/mutation part of a plant gene using a gene but it is mapped by utilizing a genetic polymorphism marker as follows: (a) genomic DNA is prepared from a plant homorygously having a mutation to be an object of the mapping; (b) A forward primer 1 containing a base corresponding to the gene polymorphic maker of one ecotype plant, a forward primer 2 containing a base corresponding to the genetic polymorphism of the other ecotype plant and a reverse primer 3 based on the base sequence common with both the ecotype plants are prepared; (c) two kinds of oligonucleotides emitting fluorescence of different colors when the coligonucleotides emitting fluorescence of different colors when the amplification reaction of the genomic DNA is carried out in the presence of the primers 1, 2 and 3 and the two kinds of the oligonucleotides; (e) the first of the primers 1, 2 and 3 and the two kinds of the oligonucleotides.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    A primer set and method useful for mapping at least the variation/mutation part of a plant gene using a gene polymorphism marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 the fluorescence intensity emitted from the resultant reactional product is detected and (f) the position on the genome of the mutation site is determined from the results of detection. The present sequence is a primer, used to illustrate the invention.
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                                                                                                                                                                                                                                                             Plant gene polymorphism marker related primer, SEQ ID 654.
                                                                                                                                                                                                                                                                                                  Primer; variation mapping; mutation mapping; plant; gene polymorphism marker; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 19 BP; 2 A; 6 C; 3 G; 8 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Claim 7; SEQ ID NO 654; 120pp; Japanese.
401
                                                                                                                                      ADM69775 standard; DNA; 19 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       929 ATGCCTGCTTCATCCT 944
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-JAN-2003; 2003JP-00024620.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      01-FEB-2002; 2002JP-00025338.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (RIKA ) RIKAGAKU KENKYUSHO.
(SAIM-) SAI MEDIA KK.
(MATS/) MATSUI M.
386 CTGGCCTGTGTGTCTT
                                     16 creeccrererecerr
                                                                                                                                                                                                                     03-JUN-2004 (first entry)
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(MATS/) MATSUI M.
(NAKA/) NAKAZAWA M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-126231/13
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nes 15; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                           14-OCT-2003.
                                                                                                                                                                                                                                                                                                                                                              Synthetic
                                                                                                                                                                              ADM69775;
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Matches
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Detection; probe, diagnosis; oral disease; paradontitis; caries; therapy; polymorphism; virulence factor; antibiotic resistance gene; prognosis; oral infection; detection; pathogen; coronary heart disease;

A. odontolyticus 16S rRNA fragment.

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The present invention relates to a primer set and method for mapping at least the variation/mutation part of a plant gene using a gene polymorphism marker. A mutation site of the plant gene is mapped by utilizing a genetic polymorphism marker as follows: (a) genomic DNA is prepared from a plant homozygously having a mutation to be an object of the mapping; (b) A forward primer 1 containing a base corresponding to the gene polymorphic maker of one ecotype plant, a forward primer 2 containing a base corresponding to the genetic polymorphism of the other with both the ecotype plants are prepared; (c) two kinds of with both the ecotype plants are prepared; (c) two kinds of oligonucleotides emitting fluorescence of different colors when the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                A primer set and method useful for mapping at least the
variation/mutation part of a plant gene using a gene polymorphism marker.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             genetic polymorphism marker is detected are prepared; (d) an amplification reaction of the genomic DNA is carried out in the presence of the primers 1, 2 and 3 and the two kinds of the oligonuclectides; (e) the fluorescence intensity emitted from the resultant reactional product is detected and (f) the position on the genome of the mutation site is determined from the results of detection. The present sequence is a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 14.4; DB 1; Length 19;
13.8%; Pred. No. 1.4e+02;
ve 0; Mismatches 1; Indels
                                                                                                                                                         Plant gene polymorphism marker related primer, SEQ ID 653.
                                                                                                                                                                                              Primer, variation mapping, mutation mapping, plant;
gene polymorphism marker; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        primer, used to illustrate the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 7; SEQ ID NO 653; 120pp; Japanese
                                    ADM69774 standard; DNA; 19 BP
                                                                                                                                                                                                                                                                                                                                                                             31-JAN-2003; 2003JP-00024620.
                                                                                                                                                                                                                                                                                                                                                                                                                   01-FEB-2002; 2002JP-00025338.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       93.8%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          RIKA ) RIKAGAKU KENKYUSHO.
                                                                                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SAI MEDIA KK.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-126231/13.
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(MATS/) MATSUI M.
(NAKA/) NAKAZAWA M.
                                                                                                                                                                                                                                                                                               JP2003289885-A.
                                                                                                                  03 - JUN - 2004
                                                                                                                                                                                                                                                                                                                                      14-OCT-2003
                                                                                                                                                                                                                                                          Synthetic.
                                                                           ADM69774;
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RESULT 243
                    ADM697
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  diagnosis of oral diseases, particularly paradontitis, but also caries, especially to identify genetic predisposition (as indicated by polymorphisms) to disease and to identify causative microorganisms or their associated virulence factors and antibiotic resistance genes, e.g. for selection of therapy and for prognosis. They are also useful for research into oral infections. The carriers allow simultaneous detection of both host and pathogen parameters, providing quickly and simply an individual's paradontitis profile, including detection of pathogens that aggravation of diabetic symptoms, and of opportunistic pathogens.

ABX03870-ABX04044 represent DNA fragments used to illustrate the method
                                                                                                                                                                                                                                                                                                                                                                                                                                                     Oligonucleotide array, useful for diagnosing oral diseases, particularly paradontitis, carries human or microbial reference sequences.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; anglogenesis; integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme; hammerhead ribozyme; anglogenic factor; cytostatic; antidiabetic; ophthalmologic; antiinflammatcry; antiarthritic; antiporratic; ARND; dermarological; RNA cleavage; cancer; diabetic retinopathy; arthritis; age related macular degeneration; inflammation; neovascular glaucoma;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    This invention describes a novel nucleotide carrier with probes used
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        myopic degeneration; psoriasis; verruca vulgaris; angiofibroma;
tuberous sclerosis; pot-wine stain; Sturge Weber syndrome;
Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; 88
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ouery Match 0.9%; Score 14; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 1.1e+02; Matches 14; Conservative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 15 BP; 3 A; 6 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Claim 8; Page 19; 58pp; German.
                                                                                                                                                                                                                                                                                                                  13-MAR-2001; 2001DE-01012348.
13-MAR-2001; 2001DE-02010013.
                                                                                                                                                                                                                                                                                 13-MAR-2001; 2001DE-02010013.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1493 CACGGCGCCACTGC 1506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAA20366 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 caceeceecacrec 14
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                                                                                                                                                                Actinomyces odontolyticus.
                                                                                                                              diabetic symptom; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2001-65777/76.
                                                                                                                                                                                                                                                                                                                                                                            ROET/) ROETGER A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of the invention
                                                                                                                                                                                                     DE20110013-U1.
                                                                                                                                                                                                                                           18-OCT-2001
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Gaps

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929 ATGCCTGCTTCATCCT 944

Matches

3 Argcriccricarccr 18

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BP

ABX03915 standard; DNA; 15

RESULT 244

ABX03915

09-JAN-2003 (first entry)

ABX03915;

SXXXE

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degenerative; disease state; HBV infection; HCV infection; cirrhosis;
                                                                                                                     17-OCT-2002
                                                                                                                                                                                                                                                                                                                                                                                                                     Blatt L,
Draper K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          invention
                                                                                                                                                                                                                                                                                                               (MCSW/)
(MORR/)
(PAVC/)
(LEEP/)
(DRAP/)
                                                                                                                                                                                                                                                                     RIBO-)
                                                                                                                                                                                                                                                                                   (BLAT/)
(MACE/)
                                                                                                                                                                                                                                                                                                                                                                                        ROBE/)
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ID ACD55
   à
                                                                                                                                                                                                                                                                                                                          The present into the stripes enzyments are activated and escribes enzyments are cleaving activity, which specifically cleave RNA encoded by an arry hydrocarbon nuclear transporter (ARNY) gene, an integrin alpha 6 subunit gene, an integrin alpha 6 subunit gene, an integrin alpha 6 subunit gene, an integrin subunit beta 3 and AAA1761 to AAA17621 to AAA17623 to AAA1888 sequences for rie-2 and AAA1886 to AAA1987 corresponding target sequences; AAA19154 represent riboxyme sequences for rie-2, and AAA18386 to AAA1988 and AAA19155 to AAA19222 represent their corresponding target sequences; cand AAA19155 to AAA19222 represent their corresponding target sequences; cand AAA19156 to AAA21861 to AAA21850 to AAA21850 and AAA21850 and AAA21850 to AAA21850 and AAA21850 to AAA21852 represent riboxyme sequence for integrin subunit beta 3, and AAA22362 to AAA23343 to CAAA23342 represent their corresponding target sequences; corresponding target sequences; corresponding target sequences for integrin subunit beta 3, and AAA23842 represent riboxymes of the invention are used for modulating the synthesis, expression and/or stability of an mRNA encoding angiogenic factor, especially ARNY, integrin subunit beta-3, integrin subunit alpha-6, or rie-2. They are stability of an mRNA encoding angiogenic factor, especially ARNY, integrin subunit alpha-6, or rie-2. They are mecular degeneration (ARND), inflammation, and arthritis, as well as a meliofith rie of tubercosis, pot-wine stains, verruca vulgaris, and coll machines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ..
0
                                                                                                                                                                                                                                        Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors.
                                                                                                                                                                                                                                                                                                                 present invention describes enzymatic nucleic acid molecules with RNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule, Hepatitis C virus, HCV; Hepatitis B virus, HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid, harmerhead ribozyme; DNAzyme; inozyme; zinzyme; amberzyme; G-cleaver ribozyme; decoy molecule; aptamer; HBV reverse transcriptase; Enhancer I region; viral replication;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-Rendu syndrome, and other syndromes and diseases related to the levels of ARNT, Tie-2, integrin subunit alpha-6, or integrin subunit beta-3
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                                                                                                                                                                                Coeshott C, Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 14; DB 1; Length 17;
100.0%; Pred. No. 1.4e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 0 A; 13 C; 1 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           HCV minus strand DNAzyme substrate sequence #865.
                                                                                                                                                                                                                                                                                      Claim 55; Page 141; 305pp; English.
                                                                                                                                                                                  Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACD63058 standard; RNA; 17 BP.
                                                                                           99WO-US006507
                                                                                                                       98US-0079678P
                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                48 GGGAGGGGAGCGGG 61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 14; Conservative
                                                                                                                                                                                  Pavco PA, Roberts E,
                                                                                                                                                                                                            WPI; 1999-591315/50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
                                WO9950403-A2
      Homo sapiens
                                                                                           24-MAR-1999;
                                                                                                                        27-MAR-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              24-SEP-2003
                                                             07-0CT-1999
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Matches
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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DNAzymes, and enzymes, zinzymes, amberzymes, and G-cleaver ribozymes. DNAzymes, incymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed transcriptase and/or HBV reverse transcriptase primer sequences, as well so oligomucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of from transcriptase states related to HBV and HCV infection, replication and gene compounds of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV DNAzyme or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lee
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78.6%; Pred. No. 1.4e+02;
ive 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 4 A; 1 C; 7 G; 0 T; 5 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                    26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0335059P.
                                                                                                                                                                                                                                                                                                                     26-MAR-2002; 2002WO-US009187
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                05-DEC-2001; 2001US-0337055P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        78.68;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  133 ATGGAGGCTGTGAA 146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIBOZYME PHARM INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     3 AUGGAGGCUGUGAA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.9
Best Local Similarity 78.6
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Macejak D,
Roberts E;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-229207/22.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              DRAPER K.
ROBERTS E.
                                                                                                       Hepatitis C virus.
                                                                                                                                                                             WO200281494-A1.
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Gaps

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Mismatches

.. 0

14; Conservative

Matches

gibbs026-3.rng

261 AGGTTCCTTGAGCA 274

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0.9%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 1.4e+02;
                                                                                                                       08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
24-OCT-2001; 2001US-0337055P.
05-DEC-2001; 2001US-0337055P.
                                                                                                         26-MAR-2002; 2002WO-US009187.
                                                                                                                   2001US-00817879
                                                                                                                                                 RIBOZYME PHARM INC.
         23-SEP-2003 (first entry)
                                                                                                                                                                                                         Roberts E;
                                                                                                                                                                                                   Macejak D,
                                                                                                                                                                MCSWIGGEN J.
                                                                                                                                                                                                                   WPI; 2003-229207/22
                                                                                                                                                                         (LEEP/) LEE P.
(DRAP/) DRAPER K.
(ROBE/) ROBERTS E.
                                                                                                                                                           MACEJAK D.
                                                                          Hepatitis B virus.
                                                                                    WO200281494-A1
                                                                                                                                                     BLATT
                                                                                                                   26-MAR-2001;
                                                                                               17-0CT-2002
                                                                                                                                                                                                                                       infection.
                                                                                                                                                                                                         Draper K,
ACD55429;
                                                                                                                                                                                                    Blatt L,
                                                                                                                                                (RIBO-)
(BLAT/)
(MACE/)
(MCSW/)
(MORR/)
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Query Match Best Local Similarity

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The present invention relates to nucleic acid molecules which modulate the synthesis, expression and/or stability of Hepatitis C virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymet, amberzymes, and errors are nucleic acids such as hammerhead ribozymes. BNAzymes, inozymes, zinzymes, amberzymes, and G-cleaver ribozymes. Also disclosed are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase and/or HBV reverse transcriptase and/or HBV reverse transcriptase and/or has pecifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds char modulate the expression and/or replication of HCV. The compounds mad methods of the invention are useful for the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HBV indication in indication and gene carcinoma. The present sequence represents a substrate for one of the HBV indication.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus
                                                                                                     Nucleic acid molecule; Hepatitis C virus; HCV; Hepatitis B virus; HBV; RNA stability; RNA expression; RNA synthesis; antisense; enzymatic nucleic acid; hammerhead ribozyme; DNAzyme; inozyme; zinzyme;
                                                                                                                                                                                                                                                                      amberzyme, G-cleaver ribozyme; decoy molecule, aptamer;
HBV reverse transcriptase; Enhancer I region; viral replication;
degenerative; disease state; HBV infection; HCV infection; cirrhosis;
liver failure; hepatocellular carcinoma; hepatotropic; cytostatic;
virucide; antiinflammatory; substrate; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lee P;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Pavco P,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 5 A; 5 C; 3 G; 0 T; 4 U; 0 Other;
HBV amberzyme substrate sequence #50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 1; Page 203; 387pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      in the present invention
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The invention relates to an isolated human GTP-activator protein for Rab-
[1], a sequence having 65% identity to
[1], a sequence in which at least 93% of deviations from (1) are
[2] as sequence in which at least 93% of deviations from (1) are
[3] as sequence in which at least 93% of deviations from (1) are
[4] as sequence in which at least 93% of deviations and no
[5] acids of (1). The polypeptide is useful for identifying a specific
[5] acids of (1). The polypeptide is useful for identifying a specific
[5] binding partner for itself, by contacting the polypeptide binding
[5] contained binding partner and determining if the polypeptide binding
[5] contained binding partner and determining if the polypeptide binding
[5] contained binding partner determining if the polypeptide binding
[5] contained [1] are useful for diagnosing or monitoring a disease caused
[5] contained with decreased expression or preventing a disorder
[5] contained with decreased expression or activity of GAPN, and an
[6] associated with increased expression or activity of GAPN, and an
[6] attagonist of (1) is useful for treating or preventing a disorder
[6] associated with increased expression or activity of GAPN, and an
[7] attagonist of (1) is useful for treating or preventing a disorder
[7] associated with increased expression or activity of GAPN, and an
[7] attagonist of (1) is useful for treating or preventing a disorder
[7] containing and as hybridization probes to detect, characterize and
[7] contified and as hybridization probes to detect, characterize and
[7] containing the determinant of solate GAPN nucleic and genence
[7] represents a 17-mer oligonucleotide spanning the GAPN NA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Novel human GTP-activator protein for Rab-like GTPase and polynucleotide encoding the protein, useful for diagnosing, treating or preventing disorders associated with increased expression or activity of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 14; DB 1; Length 17; 100.0%; Pred. No. 1.4e+02; ative 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                              gene therapy; antibody therapy; modulator of GAPN; GTP-activator for Rab-like GTPase; GAP_N; immunogen; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 6 C; 3 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Example 2; SEQ ID NO 170; 149pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (AMSH ) AMERSHAM BIOSCIENCES SV CORP.
                                                                                                                                                                                                                                                    Human GAP_N DNA 17-mer oligo #146.
                                                                                                                  ADD20914 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     11-OCT-2002; 2002WO-US032597.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15-OCT-2001; 2001US-0330323P.
                                                                                                                                                                                                        15-JAN-2004 (first entry)
14 AGGTTCCTTGAGCA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 100.
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-403224/38
                                                                                                                                                                                                                                                                                                                                                                                                              WO2003033703-A2.
                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-APR-2003.
                                                                                                                                                            ADD20914;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Zhang J;
                                                                        RESULT 248
                                                                                                                                       g
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ADM60111 standard; RNA; 17

ADM60111;

4 TITCICCAGCIACC 17

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RESULT 250
                                                                                          ADM60111
g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an isolated human GTP-activator protein for Rablike GTPase (GAPN) polypeptide (I), a sequence having 65% identity to (I), a sequence in which at least 95% of deviations from (I) are conservative substitutions, or a tragment of at least 8 contiguous amino acids of (I). The polypeptide is useful for identifying a specific binding partner for itself, by contacting the polypeptide in vivo to a potential binding partner and determining if the polypeptide binding partner binds to the polypeptide (II) and a nucleic acid encoding the polypeptide (II) are useful for diagnosing or monitoring a disease caused by altered expression of GAPN, by determining the level of expression of GAPN in a sample of nucleic acids or proteins that derives from a subject suppected to have the disease, alterations from a normal level of expression providing diagnostic and/or monitoring information. (I), (II) or agonist of (I) is useful for treating or preventing a disorder associated with decreased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder consisted with increased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder consisted with increased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN, and an antagonist of (I) is useful for treating or preventing a disorder associated with increased expression or activity of GAPN, and an accompance of the proteins. (II) is useful to drive in vivo expression of accompanies and accompanies and isolate GAPN nucleic acids from both genomic and transcript-derived nucleic acid samples. This sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Novel human GTP-activator protein for Rab-like GTPase and polynucleotide encoding the protein, useful for diagnosing, treating or preventing disorders associated with increased expression or activity of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 14; DB 1; Length 17;
.00.0%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                        gene therapy; antibody therapy; modulator of GAPN; GTP-activator for Rab-like GTPase; GAP_N; immunogen; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 17 BP; 2 A; 6 C; 2 G; 7 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match
Local Similarity 100.0%; Pred. No. 1.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 166; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMSH ) AMERSHAM BIOSCIENCES SV CORP.
                                                                                                                                                                                                                                                                                                          Human GAP N DNA 17-mer oligo #142.
                                                                                                                                                                 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      11-OCT-2002; 2002WO-US032597.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    15-OCT-2001; 2001US-0330323P.
  TTCTCCAGCTACCT 815
                                                                                                                                                                 ADD20910 standard; DNA; 17
                          1 TTCTCCAGCTACCT 14
                                                                                                                                                                                                                                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-403224/38.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WO2003033703-A2.
                                                                                                                                                                                                                                                                                                                                                                                                                                  sapiens,
                                                                                                                                                                                                                                                           15-JAN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24-APR-2003
  802
                                                                                                                                                                                                               ADD20910;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Zhang J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                protein.
                                                                                                                     RESULT 249
                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo
                                                                                                                                             ADD20910
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to an enzymatic nucleic acid molecule that specifically cleaves RNA derived from hepatitis B virus (HBV) and comprising one or more binding arms, without requiring the presence of a 2-0H group within the molecule for activity. The nucleic acids are useful for treating hepatitis B virus infection, hepatitis, hepaticis. Combination with other therapies such as lamivadine and interferons. The nucleic acids are useful as diagnostic tools to examine genetic drift and mutations within diseased cells, for detecting the presence of HBV RNA in a cell, for the study of RNA and for down-regulating gene expression of target genes in bacterial, fungal, viral, plant or mammalian cells. This sequence represents an HBV RNA target sequence, we perpresent a sequence data for this patent is also available in electronic format from USPTO at seqdata.uspto.gov/sequence.html.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Novel enzymatic nucleic acid molecule such as DNAzymes and inozymes specifically cleaving RNA derived from hepatitis B virus and comprising one or more binding arms, useful for treating hepatitis and cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                 Hepatitis B virus, HBV; ss, enzymatic nucleic acid, RNA cleavage, hepatitis B virus infection, hepatitis; hepatocallular carcinoma, cirrhosis, liver failure, lamivudine, interferon, genetic drift; virucide, hepatocropic, antinflammatory; cytostatic.
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100.0%; Pred. No. 1.4e+02;
                                                                                   Hepatitis B virus (HBV) RNA target sequence #2245.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 5 A; 5 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Draper K, Blatt L, Mcswiggen JA, Morrissey D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         100.0%; Pred. ...
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; SEQ ID NO 2245; 122pp; English.
                                                                                                                                                                                                                                                                                                                                                                              08-NOV-1999; 99US-00436430.
20-MAR-2000; 2000US-00531025.
09-AUG-2000; 2000US-00636385.
24-OCT-2000; 2000US-00696347.
                                                                                                                                                                                                                                                                                                             15-JAN-2003; 2003US-00342902
                                                                                                                                                                                                                                                                                                                                                                                                                                                   08-JUN-2001; 2001US-00877478
                                                  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BLATT L.
MCSWIGGEN J A.
MORRISSEY D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 2004-247781/23.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Local Similarity
                                                                                                                                                                                                            Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DRAPER K.
                                                                                                                                                                                                                                            US2004054156-A1.
                                                                                                                                                                                                                                                                                                                                                14-MAY-1992;
07-FEB-1994;
                                                                                                                                                                                                                                                                             18-MAR-2004.
                                                  03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MORR/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DRAP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        (BLAT/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (MCSM/)
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261 AGGTTCCTTGAGCA 274

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Gaps

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0; Indels

801 TTTCTCCAGCTACC 814

Matches

14 AGGTTCCTTGAGCA 1

gibbs026-3.rng

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0.55,
100.08; Pre-
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                                                                                                                                                                                                                                      92US-00981044.
93WO-US011198.
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                                                                                                                                                                                                                                                                 95US-00411796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ADI58498 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14; Conservative
                                                                                                                                                                                                                                                                                                                      Abrams MA,
Mckearn JP,
                                                                                                                                                                                                                                                                                             (PHAA ) PHARMACIA CORP
                                                                                                                                                                                                                                                                                                                                                               WPI; 2003-655574/62
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Local Similarity
                                                                                                                                                                                                                                      24-NOV-1992;
22-NOV-1993;
06-APR-1995;
                                                                                                                                                                                                            15-NOV-1995;
                                                                                                                                                        JS6479261-B1
                                                                                                                                                                                    12-NOV-2002
                                                                                                                                                                                                                                                                                                                      Bauer SC,
Klein BK,
                                                                                                                                Synthetic.
                                                                                                                                                                                                                                                                                                                                                                                                                                  proteins.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADI58498;
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XX ADIS
AC ADIS
XX DT 22-A
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                      88; enzymatic nucleic acid; RNA cleavage; hepatitis C virus; HCV; HCV infection; type I interferon; DNAzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               .;
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             cytostatic; antianaemic; immunomodulator; immunostimulant;
immunosuppressive; antiinflammatory; interleukin agonist 3;
                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 14; DB 1; Length 17; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  Macejack
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Ex vivo stem-cell expansion related polynucleotide #258.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 4 A; 1 C; 7 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                  Pavco PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID NO 3142; 198pp; English
                                                                                                                                             HCV DNAzyme substrate sequence #3142.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Roberts E,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADC02823 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                              18-DEC-2000; 2000US-00740332.
                                                                                                                                                                                                                                                                                                                      18-DEC-2000; 2000US-00740332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        133 ATGGAGGCTGTGAA 146
                                                             ADI85896 standard; RNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       3 AUGGAGGCUGUGAA 16
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                  Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                 BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2004-031273/03
                                                                                                                                                                                                                                                                                                                                                                                         (PAVC/) PAVCO P A. (MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
                                                                                                                                                                                                                                                                                                                                                                           ROBERTS E.
PAVCO P A.
                                                                                                                                                                                                            Hepatitis C virus.
                                                                                                                                                                                                                                         US2003125270-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          18-DEC-2003
                                                                                                                  03-JUN-2004
                                                                                                                                                                                                                                                                    03-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                  Blatt L,
                                                                                        ADI85896;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence
                                                                                                                                                                                                                                                                                                                                               (BLAT/)
(MCSW/)
(ROBE/)
                                    RESULT 251
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Selective ex vivo expansion of stem cells, useful for treating a patient having hematopoietic disorder, e.g. leukemia, neutropenia or aplastic anemia, comprises using recombinant human interleukin-3 variant or mutant
interleukin antagonist 3; gene therapy; ex vivo expansion of stem cell; modified human interleukin-3; cell proliferation; acute myelogenous leukaemia cell proliferation; TF-1 cell proliferation; methylcellulose assay; haematopolatic disorder; cancer; acute myelogenous leukaemia; B lymphoid cancer; leukopenia; neutropenia; aplastic ansemia; Chediak-Higashi's syndrome; leukopenia; neutropenia; systemic lupus erythematosus; myelodysplastic syndrome; myelofibrosis; bone marrow; blood cell activation; blood cell growth; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           stimulating bone marrow and blood cell activation and growth before infusion into patients. This sequence represents an ex vivo stem cell expansion method associated polynucleotide.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Easton AM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Caparon MH, Baber
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ô
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 14; DB 1; Length 18;
100.0%; Pred. No. 1.5e+02;
ve 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Braford-Goldberg SR, Caparon M
Olins P, Paik K, Polazzi J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 2 A; 6 C; 3 G; 7 T; 0 U; 0 Other;
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Disclosure; Page 14; 29pp; English.
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AAQ40994 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         17 GCCTCGTCCTGGAGTTC
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(first entry)
                                                                     entry
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nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1992-159370/19.
                                                                                                                                                                                                                                                                                                                                             (CALJ ) CALGENE INC
                                                                                                                                                                                                                                                                                                                                                                             Moran PM;
                                                                                                     Autagenic primer
                                                                                                                                                                                                                                                                          07-FEB-1990;
                                                                                                                                                                                                                                                                                                           18-APR-1989;
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                                                                   18-FEB-1999
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10-APR-1996
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                                                                                                                                                                      Synthetic.
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                                   AAQ40994;
                                                                                                                                                                                                                                                                                                                                                                             Comai L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAQ98599;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention describes cultured stem cells obtained by a method for selective ex-vivo expansion of stem cells comprising separating stem cells from other cells, culturing the separated stem cells with a selected media which comprises a human interleukin-3 mutent polypeptide comprising defined amino acid sequences SEQ ID NO 15 or 19 given in the specification, and harvesting the cultured cells. The methods and compositions of the present invention are useful for treating aplastic anaemia, cyclic neutropenia, idiopathic neutropenia, Chediak-Higashi syndrome and myelofibrosis. This sequence represents a DNA used in the construction of human interleukin 3 (IL-3) mutants.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Culturing stem cells using a recombinant human interleukin-3 mutant polypeptide, useful for treating aplastic anemia, neutropenia, Chediak-Higashi syndrome, systemic lupus erythematosus, leukemia and myelodysplastic syndrome.
                               immunostimulant; antianemic; immunomodulator; antiinflammatory; dermatological; immunosuppressive; cytostatic; neuroprotective; gene therapy; interleukin-agonist-3; cultured stem cell; ex-vivo cell expansion; interleukin-3 mutant; aplastic anaemia; cyclic neutropenia; idiopathic neutropenia; Chediak-Higashi syndrome; systemic lupus erythematosus; leukaemia; myelodysplastic syndrome; myelofibrosis; interleukin 3; IL-3; mutagenesis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Easton AM;
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Thomas JW;
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0
Human interleukin 3 expressing vector related DNA seq id 283.
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100.0%; Pred. No. 1.5e+02;
tive 0; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Polazzi J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 18 BP; 2 A; 6 C; 3 G; 7 T; 0 U; 0 Other;
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Olins P, Paik K, E
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 65; SEQ ID NO 283; 328pp; English.
                                                                                                                                                                                                                                                                                                                           92US-00981044.
93WO-US011198.
95US-00411796.
95US-00559390.
                                                                                                                                                                                                                                                                                             2002US-00179940.
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                                                                                                                                                                                                                                                                                                                                                                                                                             ABRAMS M A.
BRAFORD-GOLDBERG S
CAPARON M H.
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Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Abrams MA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KLEIN B K.
MCKEARN J P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-122043/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EASTON A M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PAIK K.
POLAZZI J.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      THOMAS J W
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OLINS P.
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                                                                                                                                                                          sapiens
                                                                                                                                                                                                                                                                                           19-JUN-2002;
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15-NOV-1995;
                                                                                                                                                                                                                                                           29-JAN-2004
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                                                                                                                                                                                        Synthetic
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(PAIK/)
(POLA/)
(THOM/)
                                                                                                                                                                                                                                                                                                                                                                                                                                               (BRAF/)
(CAPA/)
(EAST/)
(KLEI/)
(MCKE/)
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RESULT 254 AAQ40994/c

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pCGN783 ATCC 67868 contg. the 1 ATG-kanamycin resistance gene is cloned into EcoRI-Smal digested Bluescript M13KS to create pBsKm; this plasmid contains an M13 region allowing generation of single stranded DNA. Single stranded DNA is generated in vitro mutagenesis is performed using the sequence below, to alter a PstI site with the kanamycin resistance gene and make it undigestable, creating pCGN1534
Mutagenesis; pCGN783; pBSKm; M13KS; pCGN1543; kanamycin; resistance; ss.
                                                                                                                                                                                                                                                                                                                                                                                                             High level expression in plant cell hosts - using the CaMV 35S upstream activating region to enhance the mannopine synthase promoter.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human papilloma virus; probe; detection; diagnosis; genital; oral;
carcinomas; research; typing; HPV31; specific; MY110; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Seguence 17 BP; 5 A; 5 C; 6 G; 1 T; 0 U; 0 Other;
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89US-00322550.
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10-MAR-1989;
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RESULT 257
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            papilloma
                                                                                                                                    The human papilloma virus (HPV) specific probes AAQ98584-Q98650 are used to detect, or type HPV for research or diagnostic purposes, e.g. to identify HPV that are implicated in genital or oral carcinomas. (Updated on 25-MAR-2003 to correct PF field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      The invention relates to new oligonuclectide probes and primers used for the detection of human papillomaviruses which are not genital types 6,
                                                                                  Detection of human papilloma virus DNA by amplification - using specific consensus primer pairs and pref. detection with generic or type specific probes for use in research and diagnosis.
                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gravitt
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                                                                                                                                                                                                                                                                                                                                                                     PCR; polymerase chain reaction; amplification,
                                                                                                                                                                                               Length 17;
                                                                                                                                                                                                                                                                                                                                                      Human papillomavirus detection probe MY110 for HPV type 31.
                                                                                                                                                                                                                Indels
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                                                    Bauer HM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Zhang
                                                                                                                                                                               Sequence 17 BP; 6 A; 2 C; 7 G; 2 T; 0 U; 0 Other
                                                                                                                                                                                              Score 13.8; DB 1;
Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Nucleic acid hybridisation probes - specific
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                                                   Manos MM,
                                                                                                                                                                                                                Mismatches
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                                                                                                                                                                                                                                                                                                                                                                               human papillomavirus; consensus; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CE,
                                                                                                                      Claim 3; Col 43-44; 36pp; English
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                                                   Resnick RM, Greer CE,
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89US-00322550.
89WO-US003747.
90US-00613142.
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                                  (HOFF ) HOFFMANN LA ROCHE INC
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         89WO-US003747.
90US-00613142.
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                                                                                                                                                                                                                                 252 ACCTCCCCCAGGTTCCT
                                                                                                                                                                                                                                                                                   617/c
AAT44617 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                   (first entry)
                                                                                                                                                                                       Query Match
Best Local Similarity 88.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Bauer HM, Resnick RM,
                                                                                                                                                                                                                                                                                                                             (revised)
                                                                   WPI; 1995-319884/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1996-299903/30
                                                                                                                                                                                                                                                                                                                                                                      Probe; primer;
         09-SEP-1989;
14-NOV-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  20-APR-1993;
24-SEP-1993;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      virus types
                                                                                                                                                                                                                                                                                                                                                                                                                                18-JUN-1996
                                                                                                                                                                                                                                                                                                                                                                                               Synthetic
                                                                                                                                                                                                                                                                                                           AAT44617;
                                                   Ting Y,
                                                                                                                                                                                                                                                                           RESULT 256
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11, 16, 18 or 33. The probes and primers AAT44608-T44693 are esp. used to detect HPV types 26, 31, 318, 35, 39, 40, 43, 45, 51-59 and 68. The primers can be used to detect these HPV types in conjunction with the consensus primers and typing probes AAT44733-T44906, which are based on and amplify fragments of the Li. E6, E7 and E1 regions of the HPV sequences. This primer is targeted to the new HPV type 31. (Updated on 25-MAR-2003 to correct PF, field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present sequence is a human papillomavirus 31 (HPV31) specific typing probe. (Updated on 25-MAR-2003 to correct PF field.) (Updated on 25-MAR-2003 to correct PR field.)
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                                                                                                                                                                                                                                                                    Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New oligo:nucleotide probes for human papilloma-virus - used for detecting and typing HPV and for detecting previously unknown HPV and subtypes.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; papillomavirus 31; HPV31; typing probe; detection; ss
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                                                                                                                                                                                                                            Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1; Length 1
Pred. No. 1.5e+02;
0; Mismatches 2; Indele
                                                                                                                                                                                                                                                                  Indele
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human papillomavirus 31 specific typing probe MY110
                                                                                                                                                                                                                      Score 13.8; DB 1;
Pred. No. 1.5e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 6 A; 2 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                    Sequence 17 BP; 6 A; 2 C; 7 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure; Col 127-128; 94pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MOLECULAR SYSTEMS INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0;
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                                                                                                                                                                                                                                                                                                          252 ACCTCCCCCAGGTTCCT 268
                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAT78038 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           88US-00243486.
89US-00322550.
89WO-US003747.
90US-00613142.
93US-00050743.
                                                                                                                                                                                                                          0.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17 ACCTCCCTCAGGTTCTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (revised)
(first entry)
                                                                                                                                                                                                                                             Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 15; Conservative
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Gravitt PE;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1997-332084/30.
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14-NOV-1990;
20-APR-1993;
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10-MAR-1989;
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07-OCT-1997
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Stinchcomb D,
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                                                                                                                                                                                                                                                                                                                                 Claim 4; Page 110; 218pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      298
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                                                                                                                                                                      95US-0005974P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 GGAGCAAUCCCUGUGGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           .280/c
AAV11280 standard; DNA; 17
                                                                                                                                                                                                        (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                15-JUL-1998 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              13; Conservative
                                                                                                                                                                                                                                          Pavco P, Mcswiggen J,
                                                                                                                                                                                                                                                               WPI; 1997-259017/23.
                                                                                                                                                                                                                    (CHIR ) CHIRON CORP.
                                                                                                                                                                    26-OCT-1995;
11-JAN-1996;
                                                                                                                                                 25-OCT-1996;
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                                                                              Homo sapiens
                                                                                                    WO9715662-A2
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                                                                                                                          01-MAY-1997
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (VEGF). A patient (preferably human) having a condition associated with the level of the fims-like tyrosine kinase 1 (fl.1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour anglogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAXA7575 to AAX7572 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                    Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                  Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                             stability – useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
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                                                                                                                Mouse flt-1 VEGF receptor hammerhead ribozyme substrate #452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 13.8; DB 1; Length 17;
Pred. No. 1.5e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human KDR VEGF receptor hammerhead ribozyme substrate #440.
                                                                                                                                                                                                                                                                                                                                                                      Escobedo J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 3 A; 5 C; 5 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                     Stinchcomb D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 4; Page 168; 218pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   275 GGACCCAGGAGCCATCC 291
                                              AAX74924 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%;
                                                                                                                                                                                                                                                                           96WO-US017480.
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                                                                                                                                                                                                                                                                                                                                     (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                                    foetal liver kinase 1; ss.
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                                                                                         (first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                      Pavco P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                (CHIR ) CHIRON CORP.
                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1997-259017/23
                                                                                                                                                                                                                                 WO9715662-A2
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                                                                                          28-JUL-1999
                                                                                                                                                                                                                                                      01-MAY-1997.
                                                                   AAX74924;
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                                                                                                                                                                                                           Mus sp.
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                       RESULT 258
                                   AAX74924/
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Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tlu-1; discanging rapidgemesls; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Cytochrome P4502A6; CYP2A6; diagnosis; metabolic activity; substrate; human; PCR primer; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Escopedo J;
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Disclosure; Col 15-16; 37pp; English.
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                                                                                                                                                                                                                                                                                                                                       1059 CATCTTTCTTTCC 1075
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89US-00322550.
90US-00613142.
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                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 41.43,
Best Local 7; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (revised)
(first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             L1 type-specific probe, ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Synthetic.
Human papillomavirus.
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04-JUN-1998
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14-NOV-1990;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity (e.g. ribozymes) which are capable of modulating the expression of plant genes: (i) involved in biosynthesis of alkaloids; or (ii) involved in Flower formation. AAV95982 to AAV96334, and AAV96335 to AAV96354 represent potato solanidine glucosyltransferase hammerhead and hairpin ribozymes, respectively. AAV95629 to AAV95981, and AAV96355 to AAV96734 represent potato solanidine glucosyltransferase target
                                                                                                                                                                                                          Primers AAV11271-V11287 are used to amplify the human cytochrome P4502A6 (CYP2A6) gene for genetic diagnosis by distinguishing the metabolic activity of a substrate for CYP2A6. The method can distinguish a patient with an abnormality in a metabolic pathway requiring CYP2A6
                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                 Genetic diagnosis using human CYP2A6 gene - useful to distinguish an abnormality in the metabolic activity of substrate for CYP2A6.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Solanidine, glucosyltransferase, potato, citrate synthase, target, hammerhead ribozyme, hairpin ribozyme, alkaloid biosynthesis; flower formation, cleavage, solanaceous plant, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New enzymatic nucleic acid(s) - useful for, e.g. reducing alkaloid
biosynthesis or regulating flowering.
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                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                                                                                                                                      2; Indels
                                                                                                                                                                                                                                                                                          Sequence 17 BP; 8 A; 6 C; 3 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                      Pred. No. 1.5e
0; Mismatches
                                                                                                                                                                               Example 12; Page 16; 19pp; Japanese.
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           96JP-00311338
                                          95JP-00313610.
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                                                                    (SUMU ) SUMITOMO SEIYAKU KK
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                       Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Mcswiggen JA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1998-427939/36.
                                                                                                    WPI; 1998-275091/25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Solanum tuberosum
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO9832843-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 28-JAN-1997;
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24-NOV-1997;
                                          06-NOV-1995;
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AAV95636

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sequences. AAV96773 to AAV97170, and AAV97171 to AAV97195 represent potato citrate synthase hammerhead and hairpin ribozymes, respectively. AAV96735 to AAV96772, and AAV97196 to AAV9720 represent potato citrate synthase target sequences. Ribozymes of the present invention can be used to inhibit the synthesis of toxic alkaloids in solanaceous plants, particularly potato but also tomato, pepper, aubergine and ditura or to inhibit flowering in potato, lettuce, spinach, cabbage, brussel sprouts, arugula, kale, collards, chard, beet, turnip, sweet potato and turf grass. Also the ribozymes can be used for RNA manipulation in the same way that restriction endonuclasses are for DNA, as well as to examine genetic drift and mutations in plants and to detect specific RNA. The ribozymes can be targeted to specific genes or to consensus sequences within a family of related genes, and being catalytic need to be present at only very low concentrations
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     This sequence represents a human papillomavirus (HPV) L1 type-specific probe of the invention. This sequence may be used in conjuncture with L1 specific primers for detecting and typing HPV. Identification and typing GF HPV pose different risks for infected individuals. HPV16 and HPV18 have been more consistently identified in higher grades of cervical dysplasia and carcinoma than other HPV types. (Updated on 25-MAR-2003 to correct PR field.)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human papilloma probes and primers - useful for, e.g. detecting and typing of human papilloma viruses.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 13.8; DB 1; Length 17; 41.2%; Pred. No. 1.5e+02; ative 8; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human papillomavirus; HPV; HPV detection; HPV typing;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Bauer HM, Manos MM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 17 BP; 1 A; 6 C; 1 G; 0 T; 9 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Probe MY110 for human papillomavirus typing.
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The present invention describes enzymatic nucleic acid molecules with RNA cleaving activity, which specifically cleave RNA encoded by an aryl cleaving activity, which specifically cleave RNA encoded by an aryl cleaving activity, which specifically gene, an integrin subunit beta 3 gene, an integrin alpha 6 subunit gene, or a Tie-2 gene. AAA16775 to AAA17167 and AAA171681 to AAA17682 to AAA196775 to AAA17168 to AAA17685 and AAA1168 to Fresent their corresponding target sequences; AAA17685 to AAA18185 and AAA19087 to AAA19154 represent ribozyme sequences for Tie-2, and AAA18186 to AAA19087 to AAA19223 represent their corresponding target sequences; AAA19223 to AAA19222 represent their corresponding target sequences; AAA19223 to AAA2168 represent their corresponding target sequences; AAA21689 to AAA2168 represent their corresponding target sequences; AAA21689 to AAA2168 represent their corresponding target sequences; AAA21689 to AAA22475 and AAA2343 to AAA23342 represent their corresponding target sequences; AAA21689 to AAA22475 and AAA23476 to AAA23343 to C for integrin subunit beta 3, and AAA23476 to AAA23343, to C for integrin subunit beta 3, and AAA23476 to AAA23343 to C the invention are used for modulating the synthesis, expression and/or stability of an mRNA encoding angiogenic factor, especially ARNT, integrin subunit beta-3, integrin subunit alpha-6, or Tie-2. They are especially used to treat cancer, diabetic retinopathy, age related macular degeneration (ARNM), inflammation, and arthritis, as well as mecowascular glaucoma, myopic degeneration, psoriasis, verruca vulgaris,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis; integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme; hammerhead ribozyme; angiogenic factor; cytostatic; antidiabetic; ophthalmologic; antiinflammatory; antiarthritic; antipsoriatic; ARMD; dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis; age related macular degeneration; inflammation; neovascular glaucoma; myopic degeneration; psoriasis; veruca vulgaris; angiofibroma; tuberous sclerosis; pot-wine stain; Sturge Weber syndrome; ss.
                                                                                        Gaps
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                                            Length 17;
                                                                                        Indels
Sequence 17 BP; 6 A; 2 C; 7 G; 2 T; 0 U; 0 Other;
                                          Score 13.8; DB 1;
Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                Human TIE-2 substrate sequence SEQ ID NO:2082.
                                                                                        0; Mismatches
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                                                                                                                                  268
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                                            0.9%;
88.2%;
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                                                                                                                                  252 ACCTCCCCCAGGTTCCT
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                                                                                                                                                                                                                                                                                             AAA18856 standard; RNA; 17
                                     Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human, c-raf, A-raf, B-raf, hammerhead ribozyme, hairpin ribozyme,
target, substrate; catalyst, modulation, expression, Raf gene, delivery;
screening; identification; synthesis, deprotection; purification, cancer;
inflammation, psoriasis, non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Identifying new catalytic nucleic acid that modulates selected processes - especially tibozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons.
                syndrome, Kippel-Trenaunay-Weber syndrome, Osler-Weber-Rendu syndrome, and other syndromes and diseases related to the levels of ARNT, Tie-2,
                                                                                                                                                         Gaps
angiofibroma of tuberous sclerosis, pot-wine stains, Sturge Weber
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                                                                                                                    0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ive 0; Mismatches 2; Indels
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                                                 integrin subunit alpha-6, or integrin subunit beta-3
                                                                                  Sequence 17 BP; 3 A; 7 C; 2 G; 0 T; 5 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                            Human B-raf substrate nucleotide position 426.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Claim 177; Page 166; 259pp; English.
                                                                                                                                                                                            176 AACTGAGGGAGCTGCTG 192
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97US-0049002P.
97US-0051718P.
97US-0061321P.
97US-0061324P.
97US-0061324P.
                                                                                                                                                                                                                                                                                                                     AAV93332 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                         (first entry)
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J, Workman CT,
                                                                                                                                                            Conservative
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                                                                                                                                        Local Similarity
les 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens.
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02-OCT-1997;
02-OCT-1997;
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Matches
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cleave target nucleic acid, particularly for treating systemic diseases caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic secites and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or generally any condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity. AAV99032 to AAV9387 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; c-raf; A-raf; B-raf; hammerhead ribozyme; hairpin ribozyme; target; enbstrate; catalyst; modulation; expression; Raf gene; delivery; screening; identification; synthesis; deprotection; purification; cancer; inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Identifying new catalytic nucleic acid that modulates selected processes tespecially ribozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons.
                                                                                                                                                                                                                                                Gaps
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                                                                                                                                                                                                              0.9%; Score 13.8; DB 1; Length 17; 1.2%; Pred. No. 1.5e+02;
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Beigelman L, Mcswiggen JA, Karpeisky A,
J, Workman CT, Beaudry A, Sweedler D;
                                                                                                                                                                              Seguence 17 BP; 2 A; 6 C; 0 G; 0 T; 9 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Human B-raf substrate nucleotide position 428
                                                                                                                                                                                                                                              8; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 177; Page 166; 259pp; English.
                                                                                                                                                                                                                                                                              827
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97US-0049002P.
97US-005171BP.
97US-0051321P.
97US-0061321P.
97US-0061324P.
97US-0063212P.
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UACAUCUUCUUCCUCUU 17
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                                                                                                                                                                                                                               41.2%;
                                                                                                                                                                                                                                                                              811 TACCTCTACTTCCTCTT
                                                                                                                                                                                                                                                                                                                                                                                           AAV93333 standard; RNA; 17
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                                                                                                                                                                                                                             Local Similarity 41.2
les 7; Conservative
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Best Local S:
Matches 7,
                                                                                                                                                                                                                                                                                                                                                                                                                           AAV93333;
                                                                                                                                                                                                                                                                                                                                                           RESULT 265
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A method has been developed for the identification of a nucleic acid capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic

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acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with conductease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to cleave target nucleic acid, particularly for treating systemic diseases caused by specific RNA, e.g. cancer, inflammation, psoriasis, non-hepatic acidits and infection. They may also be used to detect genetic drift and mutations in diseased cells and to determine c-raf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restenosis, psoriasis or rheumatoid arthritis, or seed to treat condition associated with the level of c-raf. Introduction of sugar/phosphate modifications increases tability against nuclease and activity. AAV99922 to AAV93877 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gape
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.8; DB 1; Length 17;
41.2%; Pred. No. 1.5e+02;
tive 8; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Seguence 17 BP; 1 A; 7 C; 0 G; 0 T; 9 U; 0 Other;
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CAUCUUCUUCCUCUUCU 17
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89US-00305566.
89US-00329018.
89US-00368672.
89US-00425504.
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9105-0053241.
9105-00678122.
9205-00848506.
9205-00973197.
9305-00045847.
9305-00045877.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             7; Conservative
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21-DEC-1990;
01-APR-1991;
27-SEP-1991;
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20-JUN-1989;
20-OCT-1989;
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06-FEB-1989;
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XXX AAV8:

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XXX Bath

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                                                           The present invention describes a DNA molecule encoding a pathogenesis-related (PR) protein having beta-1,3-glucanase activity selected from PR-2, PR-2', PR-2', PR-A' pro and PR-O'. Also described are: (i) a chimeric gene comprising the above DNA molecule linked to a heterologous promoter; (ii) a vector containing the chimeric gene; (iii) a host cell containing the chimeric gene; (iv) a transgenic plant containing the chimeric gene; and (v) a seed from the transgenic plant. The DNA molecule is used to produce transgenic plants with enhanced disease or pest resistance. The present sequence represents an oligonucleotide from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 orphan receptor, EAR3/COUD-TR-1, the GATA transcription factor gene, IRR-2 and/or the CAATI Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoletin, granulocyte colony stimulating factor protein and interferon alpha
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            producing transgenic plants with enhanced disease or pest resistance.
                                                                                                                                                                                                                                                                   Gaps
 DNA encoding pathogenesis-related glucanase proteins - useful for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              erythropoietin; granulocyte colony stimulating factor;
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                                                                                                                                                                                                                                      Score 13.8; DB 1; Length 17;
Pred. No. 1.5e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                              Sequence 17 BP; 5 A; 5 C; 6 G; 1 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Mcswiggen J;
                                      Example 84; Col 106; 169pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Hammerhead ribozyme substrate #3443.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 54; Page 135; 164pp; English.
                                                                                                                                                                                                                                                                                             1316 GCTTCGTCCTGGGGTTC 1332
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Best Local Similarity 88.2%;
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                      17 GCCTCGTCCTGGAGTTC
                                                                                                                                                                                                                                                                                                                                                                                      AAF07186 standard; DNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                            Gaps
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  Length 17;
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88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2; Indels
                                            Indels
0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.5e+02;
ive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                        Hammerhead ribozyme substrate #3444.
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                                                                                       514 CCCATGTTTCTGTCCAC 530
                                                                                                           1 CCCAAGCTTCTGTCCAC 17
                                                                                                                                                                                                                                           ВЪ.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (RIBO-) RIBOZYME PHARM INC.
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AAF02686 standard; DNA; 17
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                                                 Conservative
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                    Best Local Similarity
Matches 15; Conserv
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Matches 15; Conserv
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    Query Match
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AAF02686/c
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The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, PAR3/COUP-TF-1, the GATA transcription factor gene, IRR-2 and/or the CAATT Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoletin, granulocyte colony stimulating factor protein and interferon alpha
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                  Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Human; 88; antigense therapy; cytostatic; antiinflammatory; haemostatic;
                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ive 0; Mismatches 2; Indels
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                                                                                                                       Claim 37; Page 74; 164pp; English
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J.
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MCSWIGGEN J.
CHOWRIRA B M.
WPI; 2000-647423/62.
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                                                                                                                                                                                                                                                                                                                                                                                                                   Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
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                 Ribozyme; erythropoietin; granulocyte colony stimulating factor;
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Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Claim 37; Page 78; 164pp; English.
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                                                                                                                                                                                                                                                                                         (RIBO-) RIBOZYME PHARM INC
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                                         interferon alpha; ss.
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                                                                                                                                                                                                                                                                                                                                                                          WPI; 2000-647423/62
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                                                                                  Homo sapiens.
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Query Match

Matches

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RESULT 270

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Homo sapiens.

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cegniates expression of a neurite growth inhibitor gene (NGCO). The cegniates expression of a neurite growth inhibitor gene (NGCO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with an NGN triplet), a zinzyme (cleaving RNA control of a divalent cation that is preferably Mg^2+.

The CD20 in the presence of a divalent cation that is preferably Mg^2+.

The Furthermore, it may be contacted with a cell to reduce CD20 activity of the coll and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more thrompose. In particular, the CD20 targetting nucleic acid may be used to creat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-creat lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytopacnia, and inflammatory arthropathy. The NOGO activity of the considered may be contacted with a cel
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     therapies. In particular, the NOGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
                                  constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and
Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             sequence is an inozyme of the invention
                                                                                                                                                                                  Claim 30; Page 147; 200pp; English
                                                                                                                central nervous system injury.
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Gaps . Score 13.8; DB 1; Length 17; Pred. No. 1.5e+02; 2; Indels Sequence 17 BP; 3 A; 6 C; 5 G; 0 T; 3 U; 0 Other; 0; Mismatches 0.9%; Ouery Match Best Local Similarity 88.2° Matches 15; Conservative

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1476 CTGCCAGGAGTGGTACG 1492 17 creccaddadrearcce 1 ઠે g

ABK00739 standard; RNA; 17 BP 12-MAR-2002 (first entry) Human NOGO Inozyme #9. ABK00739; RESULT 272 ABK00739/ 

Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NGG0; hammerhead ribozyme; DNAzyme; inozyme; G-Cleaver; amberzyme; linyphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy·induced neuropathy; ampotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntingcon's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cregulates expression of a neutite growth inhibitor gene (NGOD). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids may be enzymatic nucleic acid cleaving a an RNA molecule DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a C-cleaver (cleaving RNA with a NYN motif) properties an amberzyme (cleaving RNA with an NGN triplet), a zinzyme (cleaver RNA cyle motif). The CD20-targeting nucleic acid is used to cleave RNA cyle contacted with an cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level cyle CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targeting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-thedgkin's lymphoma (NHL), bulky low-grade or follicular NHL, lymphomy, immune thrombocytopaenia, and inflammatory arthropathy. The NOGO-coll lymphoma, immunocytoma (IMC), small B-cell lymphomy. The NOGO-coll in the cargetient may further call not call and treat a patient having a condition associated with the level of cell and treat a patient having a condition associated with the level of the seence of a divalent cation that is preferably MG'2+. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the cell and treat a patient having a condition associated with the level of NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-cargetting nucleic acid may be used to therapies. In particular, the NOGO-cargetting nucleic acid may be used to therapies. In particular, the NOGO-cargetting nucleic acid may be used to the central network of the NOGO-cargetting nucleic acid may be used to the central network of second of one or more therapies. The NOGO-cargetting nucleic acid may be u Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and (CVA, stroke), Alzhaimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), parkinson's disease, ataxia, Huntington's disease, creuzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present Sequence 17 BP; 2 A; 9 C; 4 G; 0 T; 2 U; 0 Other; sequence is an inozyme of the invention Chowrira BM; Claim 88; Page 78; 200pp; English central nervous system injury. 09-FEB-2001; 2001WO-US004273. 11-FEB-2000; 2000US-0181797P. 28-FEB-2000; 2000US-0185516P. 06-MAR-2000; 2000US-0187128P. RIBOZYME PHARM INC Blatt L, Mcswiggen J, CHOW/) CHOWRIRA B M. MCSWIGGEN J. WPI; 2001-607195/69. BLATT L. WO200159103-A2 16-AUG-2001 Synthetic. (BLAT/) (RIBO-) 

Gaps ö 0.9%; Score 13.8; DB 1; Length 17; 18.2%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels 88.2%; Best Local Similarity 88.2 Matches 15; Conservative Query Match

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739 CTGAGAGAGGCTGTGCC 755 CTGAGAGGGCTGGGCC 17

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cegulates expression of a neurite growth inhibitor gene (NGCD). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a consessing an NCH motif), a G-cleaver (cleaving an RNA molecule DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with an NCM motif) properties of a divalent cation that is preferably Mg<sup>-2</sup>+.

The a YCY motif). The CD20-targetting nucleic acid is used to cleave RNA with a YCY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg<sup>-2</sup>+. Furthermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more thermials. HIV (human immunodeficiency virus) associated with, lymphocytic lymphoma, leukaemia, HIV (human immunodeficiency virus) associated NHL, lymphocytic lymphoma, lawphoma (MCL), immunocytoma (IMC) small B-cell lymphocytic lymphoma, immunodeficiency virus) associated NHL, mantle-cell clymphoma (MCL), immunocytoma (IMC) small B-cell lymphocytic lymphoma, immunodeficiency virus) associated NHL, mantle-cell clymphoma (MCL), immunocytoma (IMC) small B-cell lymphocytic lymphoma, immunodefic acid is used to cleave RNA of the NOGO gene in the presence of a divalent cation that is preferably Mg<sup>-2</sup>+. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO activity of the contacted with a cell to reduce NOGO activity of the law and incleave and patient having a condition associated vith the level of
                                                                                                                                                                                                                 Human; 88; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; G-cleaver; amberzyme; zinzyme; lymphoma; leukaemia; human; mnunodeficiency virus; HIV associated NHL; lymphocytic leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; NC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cenebrovascular accident; CVA; Alzheimer; disease; miltiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; parkinson's disease; ataxia; Huntington's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
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                            ABK01164 standard; RNA; 17 BP
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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BLATT L.
MCSWIGGEN J.
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                                                                                                                                                                             Human NOGO Inozyme #434.
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ABK01164
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           NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-targetting nucleic acid may be used treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), parkinson's disease, ataxia, Huntington's disease, creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
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                                                                                                                                                                                                                                                                          5; Mismatches
                                                                                                                                                              sequence is an inozyme of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human NOGO Hammerhead Ribozyme #79.
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                                                                                                                                                                                                                                                                                                              722 TGAAAAGCTACTCCTTC 738
                                                                                                                                                                                                                                                                                                                                                                                                                                              ABK00079 standard; RNA; 17 BP.
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28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
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MCSWIGGEN J.
                                                                                                                                                                                                                                                          Best Local Similarity
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(MCSW/)
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The invention relates to a nucleic acid molecule which down regulates expression of a cD20 gene and a nucleic acid molecule which down regulates expression of a neurite growth inhibitor gene (NGOD). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a nucleic acids an Inozyme of an ENA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with an NCH worlf), a G-cleaver (cleaving RNA with an NCH worlf) properties an NCH motif) properties an NCH motif) and a g-cleaver (cleaving RNA with an NGN motif) properties an imperzyme (cleaving RNA with an NGN with an NGN with a reduce CD20 in the presence of a divalent cation that is preferably MG<sup>2</sup> +. Furthermore, it may be contacted with a call to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more treat lymphoma, leukaemia, HCD20 targetting nucleic acid may be used to cleave RNA. Immunocytopaemia, and inflammatory arthropathy. The NOGO- immune thrombocytopaemia, and inflammatory arthropathy. The NOGO- immune thrombocytopaemia, and inflammatory arthropathy. The NOGO exergetting nucleic acid may be contacted with a cell to reduce NOGO gene in the presence of a divalent cation that is preferably MG<sup>2</sup> +. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO gene in the presence of a divalent cation that is preferably MG<sup>2</sup> +. Furthermore, the nucleic acid may be contacted with a cell to reduce NOGO activity of the nucleic acid may be contacted with a cell to reduce NOGO serivity of the nucleic acid may be used to cleave RNA of the NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-targetting nucleic acid may be used to therapies. In particular, whuting a condition associated with the level of NOGO. The treatment may further comprise the use of one or more therapies. In particular, which amyotrophic lateral sclerosis (MS), chemotherapy-induced neuropathy, and/cleaved di ö Gaps Human, Grb2-related with Insert Domain, GRID, T-cell; co-stimulatory adaptor protein; tissue rejection; graft rejection; leukaemia; cytostatic; ss. Ellis JH; ö Score 13.8; DB 1; Length 17; Pred. No. 1.5e+02; 8; Mismatches 2; Indels Von Carlowitz I, Mcswiggen JA, Hamblin PA, Human GRID NCH ribozyme substrate oligonucleotide #65. sequence is a hammerhead ribozyme of the invention Sequence 17 BP; 0 A; 6 C; 2 G; 0 T; 9 U; 0 Other; 1346 TGCTGATACTCTTCCTT 1362 1 UGCUGCUUCUCCUU 17 23-FEB-2001; 2001WO-US005957. 24-FEB-2000; 2000US-0184594P. 41.2%; ABL46611 standard; RNA; 17 (RIBO-) RIBOZYME PHARM INC. (first entry) Query Match
Best Local Similarity 41.2
7; Conservative (GLAX ) GLAXO GROUP LTD WPI; 2001-550088/61 WO200162911-A2 Homo sapiens. 27-JUN-2003 30-AUG-2001. Jarvis T, ABL46611; RESULT 275 ABL46611 ઠે 

ö The present invention relates to oligonucleotides that downregulate the expression of human GrD2-related with Insert Domain (GRID) gene. GRID is a T-cell co-stimulatory adaptor protein. The oligonucleotides are useful for modulating the expression of GRID, to treat conditions such as tissue/graft rejection and leukaemia. The oligonucleotides can also be administered in conjunction with other therapies such as radiation, chemotherapy and cyclosporin treatment. The present oligonucleotide was used to illustrate the invention The present invention relates to oligonucleotides that downregulate the expression of human Grb2-related with Insert Domain (GRID) gene. GRID is a T-cell co-stimulatory adaptor protein. The oligonucleotides are useful for modulating the expression of GRID, to treat conditions such as tissue/graft rejection and leukaemia. The oligonucleotides can also be administered in conjunction with other therapies such as radiation, chemotherapy and cyclosporin treatment. The present oligonucleotide was used to illustrate the invention New nucleic acid(s) for regulating the Grb2-related with Insert Domain (GRID) gene comprises using antisense and enzymatic nucleic acid molecules such as hammerhead ribozymes. New nucleic acid(s) for regulating the Grb2-related with Insert Domain (GRID) gene comprises using antisense and enzymatic nucleic acid molecules such as hammerhead ribozymes. Gaps Human, Grb2-related with Insert Domain; GRID; T-cell; co-stimulatory adaptor protein; tissue rejection; graft rejection; leukaemia; cytostatic; 88. ö Ouery Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 58.8%; Pred. No. 1.5e+02; Matches 10; Conservative 5; Mismatches 2; Indels Jarvis T, Von Carlowitz I, Mcswiggen JA, Hamblin PA, Human GRID Amberzyme substrate oligonucleotide #159. Sequence 17 BP; 5 A; 3 C; 3 G; 0 T; 6 U; 0 Other; Claim 4; Page 89; 108pp; English. Claim 4; Page 64; 108pp; English. 886 TATGTGGCCAAGAACTT 902 : |: |: | || || || :: 1 uaugugcccaagaauuu 17 ABL47259 standard; RNA; 17 BP. 23-FEB-2001; 2001WO-US005957. 24-FEB-2000; 2000US-0184594P. (RIBO-) RIBOZYME PHARM INC (GLAX ) GLAXO GROUP LTD. 27-JUN-2003 (first entry) WPI; 2001-550088/61. WO200162911-A2. Homo sapiens 30-AUG-2001. ABL47259; RESULT 276 ABL47259 ò 

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                     Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart;
muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease;
skeletal muscle disorder; amplicon; screening; ss.
                                                                 Gaps
                                                                                                                                                                                                                                                                                                                       Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:1536.
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                            Score 13.8; DB 1; Length 17;
Pred. No. 1.5e+02;
2; Mismatches 2; Indels
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Sequence 17 BP; 5 A; 3 C; 6 G; 0 T; 3 U; 0 Other;
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                                                                                              27 TCTGCAGAGGACAGAAG 43
                                                                                                                                                                                                                  ABN01544 standard; DNA; 17 BP
                                 0.9%;
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30-JAN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667.
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30-JAN-2001; 2001WO-US000669.
30-JAN-2001; 2001WO-US000670.
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                                                                 13; Conservative
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                                               Local Similarity
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                               Query Match
                                                                                                                                                                                 RESULT 277
                                                                  Matches
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       therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence in the screening of the sequence of this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                            0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                          Mismatches
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2000US-0236359P.
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Matches 15; Conservative
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Therefore, and projection and projection. The highware in the protest and projection. The highware in the protest and projection. The highware incleic acids can be used as probes to detect, characterise and quantify convice initial substrates for the recombinant engineering of highware protest in the proteins. The hemotypic improvements, and for expressing the proteins. The home. Increase that specifically recognise highware used as immunogens to raise antibodies that specifically recognise highware used as immunogens to raise antibodies that specifically recognise highware. In proteins, as standards in assays used to determine the concentration and/or amount specifically of highware protests for surface-enhanced lasser desorption ionisation, as therefore enhanced lasser desorption ionisation, as therefore sequences encoding home. The present sequences encoding home. The present sequence sequences of the replacement therapy. The disposal associated with the expression of highware to chromosome 22. The present sequence in the expression of home. The present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO.
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protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-
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27-SEP-2000;
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protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as specific biomolecule and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polymuclectide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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                                                                              New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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Shannon ME
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Chen W,
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Hanzel DK, Rank DR,
                                                                                                                                                                Disclosure; SEQ ID NO 2295; 214pp; English
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ABN10682/c
ID ABN10682 standard; DNA; 17 BP.
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2000US-0234687P.
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2000GB-00024263.
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Best Local Similarity 88.2
Matches 15, Conservative
Penn SG,
                                         WPI; 2002-179446/23.
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Gu Y, Ji Y,
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2000US-0234687P. 2000US-0236359P. 2000GB-00024263. 2001WO-US000661.

21-SEP-2000; 27-SEP-2000;

25-MAY-2001; 2001WO-US016981.

06-DEC-2001.

04-OCT-2000; 2000GB-00024263. 30-JAN-2001; 2001WO-US000661. 30-JAN-2001; 2001WO-US000663. 30-JAN-2001; 2001WO-US000663.

30-JAN-2001; 2001WO-US000666. 30-JAN-2001; 2001WO-US000667. 30-JAN-2001; 2001WO-US000668. 30-JAN-2001; 2001WO-US000669.

05-FEB-2001; 2001US-0266860P

(AEOM-) AEOMICA INC.

30-JAN-2001; 2001WO-US000665

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 cucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production amount sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.
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                                                                                                                                                                                                                                                                             Shannon ME;
                                                                                                                                                                                                                                                                             Chen W,
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                                                                                                                                                                                                                                                                             Rank DR,
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                                                                                                                                                                                                                                                                             Gu Y, Ji Y, Penn SG, Hanzel DK,
                                         30-JNN-2001; 2001WO-US000666.
30-JAN-2001; 2001WO-US000667
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
                                                                                                                                                                          05-FEB-2001; 2001US-0266860P
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

Disclosure; SEQ ID NO 2292; 214pp; English.

Shannon ME

Chen W,

Hanzel DK, Rank DR,

Penn SG,

Ji Y,

WPI; 2002-179446/23.

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The present invention describes a human genome-derived myosin-like protein 1 (hdDMLP-1). The protein and polynucleotide sequences of hdDMLP-1 can be used in gene therapy and vaccine production. The hdDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hdDMLP-1 nucleic acids in samples, as amplification substrates, to provide initial substrates for the recombinant engineering of hdDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins The hdDMLP-1 proteins or polypeptides may be used as immunospens to raise antibodies that specifically recognise hdDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hdDMLP proteins as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therefore having specific deficiency in hdDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The concentration and in vaccines or for hdDMLP-1 may be used for diagnosing a clisorder associated with the expression of hdDMLP-1, in particular hart and skeletal muscle disorders, hdDMLP-1 is localised to chromosome 22.
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18.2%; Pred. No. 1.5e+02;
ve 0; Mismatches 2; Indels
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18.2%; Pred. No. 1.5e+02;
ve 0; Mismatches 2; Indels
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Query Match

Best Loc? Matches

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Gaps

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ABN01655 standard; DNA; 17

29-MAY-2002 (first entry)

ABN01655;

WO200192524-A2 Homo sapiens.

Page 154

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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
       Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:1647.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 17 BP; 6 A; 1 C; 10 G; 0 T; 0 U; 0 Other;
                                                                                                                                               2001WO-US000661.
2001WO-US000662.
2001WO-US000663.
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2001WO-US000666.
2001WO-US000667.
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2001WO-US000669.
2001WO-US000670.
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2000US-0236359P.
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                                                                   WO200192524-A2
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30-JAN-2001;
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                                                     Homo sapiens
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynuclectide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 crises and for capressing the proteins. The hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunospons to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specifically of hGDMLP proteins, as specific blomolecule and/or amount specifically of hGDMLP proteins, as specific blomolecule acocute probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from MIPO cat fig. at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                      New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
Shannon ME
Chen W,
Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; SEQ ID NO 1647; 214pp; English.
Hanzel DK,
Gu Y, Ji Y, Penn SG,
                                                                                                                   WPI; 2002-179446/23
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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 call acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as steadards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorders associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders hGDMLP-1 is localised to chromosome 22. The present sequence represente an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B.
Disclosure; SEQ ID NO 931; 214pp; English.
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Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                 Human GDMLP-1 17-mer scanning SEQ ID NO:4 sequence SEQ ID NO:931.
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                                    ABN00939 standard; DNA; 17 BP
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The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
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                                                                                               / Match 0.9%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.5e+02; Nes 15; Conservative 0; Mismatches 2; Indels
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                                                                   Sequence 17 BP; 5 A; 4 C; 6 G; 2 T; 0 U; 0 Other;
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used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence on the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obbained in electronic format directly from WIPO
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88.2%; Pred. No. 1.5e+02;
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Best Local Similarity 88.2 Matches 15, Conservative
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05-FEB-2001;
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05-FEB-2001; 2001US-0266860P.
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                                                        Ji Y,
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C protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1

C c an be used in gene therapy and vaccine production. The hGDMLP-1

C nucleic acids can be used as probes to detect, characterise and quantify

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C hGDMLP-1 nucleic acids in samples, as amplification substrates, to

C provide initial substrates for the recombinant engineering of hGDMLP-1

C protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

CC expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

CC used as immunogens to raise antibodies that specifically recognise hGDMLP-1

C and/or amount specifically of hGDMLP-proteins, as specific biomolecule

CC capture probes for surface-enhanced laser description ionisation, as

C therapeutic supplement in patients having specific deficiency in hGDMLP-1

C production, and in vaccines or for replacement therapy. The

C production, and in vaccines or for replacement therapy. The

C production, and in vaccines or for replacement therapy. The

C production, and in vaccines or for replacement therapy. The

C polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a

C disorder associated with the expression of hGDMLP-1 in particular heart

C and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

C The sequence data for this patent did not form part of the printed

C Specification, but was obtained in electronic format directly from WIPO

C At ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                               2; Indels
                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 3 A; 8 C; 5 G; 1 T; 0 U; 0 Other;
             Disclosure; SEQ ID NO 2299; 214pp; English.
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2001WO-US000662.
2001WO-US000663.
2001WO-US000664.
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2000GB-00024263
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2001WO-US000667
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Matches
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ABN02306/c
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunosons to raise antibodies that specifically recognise hGDMLP-1 proteins, as specifically recognise hGDMLP-1 proteins, as specifically of hGDMLP proteins, as specific biomolecute and/or amount specifically of hGDMLP proteins, as specific biomolecute and/or amount specifically of hGDMLP proteins, as specific biomolecute capture probes for surface-enhanced laser desorption ionisation, as therefore a specifically desorption in a patient having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The production and skeletal muscle disorders, hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at fig. at ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                           New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
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                                                                                              Shannon ME;
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38.2%; Pred. No. 1.5e+02;
ive 0; Mismatches 2; Indels
                                                                                         Chen W,
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                                                                                         Hanzel DK, Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; SEQ ID NO 2298; 214pp; English.
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21-SEP-2000; 2000US-0234687P.
27-SEP-2000; 2000US-0236359P.
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Best Local Similarity 88.2
Matches 15, Conservative
                                                                                         Penn SG,
                                                                                                                                                                                  WPI; 2002-179446/23.
(AEOM-) AEOMICA INC.
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids can be used as probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be used as immunogens to raise antibodies that specifically recognise hGDMLP-1 proteins as specifically of hGDMLP proteins, as specific biomolecule capture probes for surface-enhanced laser description ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The collapsed with the expression of hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. HGDMLP-1 is localised to chromosome 22.
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                                                                                                                                                                                                                                                                                                                              Rank DR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Disclosure; SEQ ID NO 2300; 214pp; English.
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05-FEB-2001; 2001US-0266860P
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2001WO-US000664
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Chen W, Shannon ME;

Sequence 17 BP; 3 A; 9 C; 4 G; 1 T; 0 U; 0 Other;

Gaps ., 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels 88.2%; Local Similarity 88.2 1es 15; Conservative Query Match Best Loca Matches ð

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ABN10681 standard; DNA; 17 BP ABN10681; ABN10681/ 

(first entry) 29-MAY-2002

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10673.

Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in samples, as amplification substrates, to nucleic acids in samples, as amplification substrates, to protein variants having desired phenotypic improvements, and for expressing the proteins. The hGDMLP-1 proteins of proteins or proteins to raise antibodies that specifically recognise hGDMLP used as immunogens to raise antibodies that specifically recognise hGDMLP or proteins as standards in assays used to determine the concentration and/or amount specifically of hGDMLP proteins as specific biomolecule capture probes for surface-enhanced laser describic deficiency in hGDMLP-1 proteins, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing disorder associated with the expression of hGDMLP-1, in particular heart and skeleral muscle disorders. hGDMLP-1 is localised to chromosome 22.
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27-SEP-2000; 2000US-0236359P.
04-OCT-2000; 2000GB-00024263.
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30-JAN-2001; 2001WO-US000663.
30-JAN-2001; 2001WO-US000664.
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        Homo sapiens.
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ö Gaps ö 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ative 0; Mismatches 2; Indels Sequence 17 BP; 4 A; 8 C; 4 G; 1 T; 0 U; 0 Other; Local Similarity 88.2 nes 15, Conservative Query Match Best Local Matches

1260 GGTAGCCATGCTGGGTG 1276 17 GGTGCCATGCTGCTG 1 8.66

RESULT 289 ABN09032/c ID ABN09032 standard; DNA; 17 BP.

Best Local Similarity

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-11ke protein hGDMLP-1.
                                                          Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                          Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:9024.
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2001WO-US000665.
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2000US-0236359P.
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05-FEB-2001; 2001US-0266860P
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                        (first entry)
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27-SEP-2000;
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       ABN09032;
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The present invention describes a human genome-derived myosin-like protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-1 can be used in gene therapy and vaccine production. The hGDMLP-1 nucleic acids in gene probes to detect, characterise and quantify hGDMLP-1 nucleic acids in samples, as amplification substrates, to hGDMLP-1 nucleic acids in samples, as amplification substrates, to reverse in simeunogens to raise antibodies that specifically recognise hGDMLP-1 proteins or polypeptides may be capture probes for surface-enhanced in sepecifically recognise hGDMLP-1 proteins, as standards in assays used to determine the concentration and/or amount specifically of hGDMLP-1 proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as therapeutic supplement in patients having specific deficiency in hGDMLP-1 production, and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence in the exemplification of the present invention. N.B. he was obtained in electronic format directly from WIPO production. at ftp.wipo.int/pub/published\_pct\_sequence

Sequence 17 BP; 5 A; 1 C; 8 G; 3 T; 0 U; 0 Other;

0.9%; Score 13.8; DB 1; Length 17;

The present invention describes a human genome-derived myosin-like

protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP
c lcan be used in gene therapy and vaccine production. The hGDMLP-1

c nucleic acids can be used as probes to detect, characterise and quantify

chGDMLP-1 nucleic acids in samples, as amplification substrates, to

chGDMLP-1 nucleic acids for the recombinant engineering of hGDMLP-1

provide initial substrates for the recombinant engineering of hGDMLP-1

protein variants having desired phenotypic improvements, and for

expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

ensed as immunogens to raise antibodies that specifically recognise hGDMLP-1

c appressing the proteins as standards in assays used to determine the concentration

and/or amount specifically of hGDMLP proteins, as specific biomolecule

and/or amount specifically of hGDMLP proteins, as specific biomolecule

capture probes for surface-enhanced laser describion ionisation, as

therapeutic supplement in patients having specific deficiency in hGDMLP-1

production, and in vaccines or for replacement therapy. The

polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a ö New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1. Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss. Gaps Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6916. Shannon ME; . 0 Indels Chen W, 88.2%; Pred. No. 1.5e+02; Hanzel DK, Rank DR, 0; Mismatches Disclosure; SEQ ID NO 6916; 214pp; English 1165 ABN06924 standard; DNA; 17 BP. 2001WO-US000661. 2001WO-US000662. 2001WO-US000663. 2001WO-US000665. 2001WO-US000666. 2001WO-US000667. 2001WO-US000669. 2001WO-US000669. 2001WO-US000670. 17 Crccacgracricica 1 2001WO-US000664 25-MAY-2001; 2001WO-US016981 2000US-0207456P 2000GB-00024263 2001US-0266860P 2000US-0236359P 1149 CICAACGICCTICTCCA 29-MAY-2002 (first entry) 15; Conservative Penn SG, WPI; 2002-179446/23. (AEOM-) AEOMICA INC. WO200192524-A2. 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; Gu Y, Ji Y, Homo sapiens. 30-JAN-2001; 30-JAN-2001; 30-JAN-2001; 04-OCT-2000; 27-SEP-2000; 30-JAN-2001; 05-FEB-2001; 06-DEC-2001 ABN06924; RESULT 290 ABN06924/c Matches ð g 

N.B.

ABP53504 are given in the exemplification of the present invention. The sequence data for this patent is not represented in the printed specification but is based on sequence information supplied by the

European Patent Office

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disorder associated with the expression of hGDMLP-1, in particular heart and skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Nucleic acid encoding human UDP-GalNAc:polypeptide N-cetylgalactosaminyltransferase 10 protein is useful to diagnose, prevent and treat disorders associated with reduced or over expression of the encoded protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           human UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10 (pp-GaNTase 10, BC 2.4.1.41) protein. Human pp-GaNTase 10 is located to chromosome 7q11.2. (I) can be used in gene therapy. Molecules of the present invention can be used in therapy, particularly to prevent or treat a disorder associated with decreased expression or activity of pp-GaNTase. The sequences given in ABV85011 to ABV86689 and ABP53502 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; UDP-GalNAc:polypeptide N-acetylgalactosaminyltransferase 10; pp-GaNTase 10; EC 2.4.1.41; chromosome 7q11.2; gene therapy; scanning;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The present invention describes an isolated nucleic acid (I) encoding
                                                                                                                                                                                                       Gaps
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0
                                                                                                                                                                  Score 13.8; DB 1; Length 17;
Pred. No. 1.5e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human pp-GaNTase 10 scanning 17-mer SEQ ID NO:221
                                                                                                                                      Sequence 17 BP; 1 A; 6 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 221; 59pp; English.
                                                                                                                                                                                                                                        307
                                                                                                                                                                                                                                                                                                                                                           ВP
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30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
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30-JAN-2001; 2001WO-US006570.
23-MAY-2001; 2001US-00864761.
30-AUG-2001; 2001US-035984P.
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                                                                                                                                                                    Query Match
Best Local Similarity 88.2%;
Matches 15; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30-JAN-2001; 2001WO-US000663
                                                                                                                                                                                                                                        291 CCTGGGGAAACAGAAG
                                                                                                                                                                                                                                                                      17 ccreeceagacagaaag
                                                                                                                                                                                                                                                                                                                                                         ABV85228 standard; DNA; 17
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                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2002-724954/79.
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Synthetic.
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30-JAN-2001;
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                                                                                                                                                                                                                                                                                                                                                                                            ABV85228;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Identifying cleavage sites of a target RNA, by adding target RNA to library of nucleic acids e.g. ribozyme, which comprise catalytic core flanked by random nucleotides and isolating nucleic acid that cleave target RNA.
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                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                      Ribozyme, catalytic nucleic acid, infection, PCR; target site, ss.
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                                                                                              Length 17;
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                                                                                                                          Indels
                                                                     Sequence 17 BP; 4 A; 8 C; 5 G; 0 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.8; DB 1;
41.2%; Pred. No. 1.5e+02;
tive 8; Mismatches 2;
                                                                                              0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.5e+02;
                                                                                                                          Mismatches
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                                                                                                                                                                                                                                                                                                                                          Human ribozyme cleavage site #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (UYPE-) UNIV PENNSYLVANIA STATE
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                                                                                                                                                      626 TGGTGCTCTGCGCGCTG 642
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                                                                                                                                                                      17 TGGCGCTGTGCGCGCTG 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    07-DEC-2001; 2001WO-US046178.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               07-DEC-2000; 2000US-0251810P.
                                                                                                                                                                                                                                                      AAL48306 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 AGUGUUUCUUCUGCUUC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAD45173 standard; DNA; 17
                                                                                              Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    7; Conservative
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Best Local Similarity
Matches 7; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pan W;
                                                                                                                                                                                                                                                                                                                                                                                                                              WO200246449-A2
                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Clawson G,
                                                                                                                                                                                                                                                                                   AAL48306;
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ID AAD4
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16-MAY-2001; 2001WO-US015866.

22-NOV-2001

gibbs026-3.rng

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encoding human receptor interacting protein (RIP)2, for treating diseases associated with RIP2 expression.
                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to antisense compounds targetted to a nucleic acid encoding human receptor interacting protein (RIP)2 to inhibit itse expression. Antisense compounds are used for treating diseases associated with RIP2 expression. They are also useful in antisense gene therapy. The
                                                                                          Human; receptor interacting protein; RIP2; antisense; gene therapy; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          present sequence is human RIP2 DNA specific PCR primer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 17 BP; 4 A; 4 C; 7 G; 2 T; 0 U; 0 Other;
                                                              duman RIP2 DNA specific forward PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                Example 13; Col 42; 35pp; English.
                                                                                                                                                                                                           01-AUG-2001; 2001US-00920663.
                                                                                                                                                                                                                                     01-AUG-2001; 2001US-00920663.
                                      (first entry)
                                                                                                                                                                                                                                                               (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                         Cowsert LM;
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                                                                                                                                Homo gapiens
                                                                                                                                                         US6426221-B1
                                      27-DEC-2002
                                                                                                                                                                                 30-JUL-2002
                                                                                                       primer; ss.
             AAD45173;
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                                Gaps
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0
       Score 13.8; DB 1; Length 17; Pred. No. 1.5e+02; 0; Mismatches 2; Indels
                                                    665
                                                                                                                                ABK17888 standard; RNA; 17 BP
         0.9%;
                                                    649 CACGTGGCCGTGGAGCA
                                                                        1 CAGGTGGCCGTGAAGCA
Query Match
Best Local Similarity 88.2%
                                                                                                          RESULT 294
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Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antiarthritic; antipsoriatic; virucide; osteopathic; vulnerary; cancer; lymphoma; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma; myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay Weber syndrome; leukaemia; ss; Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                              Human ERG hammerhead ribozyme target sequence, Seq ID No 535.
                                                                        (first entry)
                                                                          09-APR-2002
                                    ABK17888;
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WO200188124-A2

Homo sapiens

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Novel polynucleotide which down regulates expression of Ets-related gene, useful for treating cancer, diabetic retinopathy, macular degeneration, arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human; hammerhead ribozyme; cytostatic; antitumour; antidiabetic; ophthalmological; antipacriatic; virucide; osteopathic; vulnerary; cancer; lymphome; Ewing's sarcoma; melanoma; psoriasis; tumour angiogenesis; diabetic retinopathy; macular degeneration; neovascular glaucoma, myopic degeneration; arthritis; verruca vulgaris; angiofibroma of tuberous sclerosis; port-wine stain; wound healing; Sturge Weber syndrome; Kippel-Trenaunay-Weber syndrome; leukaemia; ss;
                                                                                                                                                                                                                                                                                                                                                                                                                                                         enzymatic nucleic acid molecules which regulate expression of ERG, and related PCR primers of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
                                                                                                Randi AM;
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0
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88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2; Indels
                                                                                                Mclaughlin F,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human ERG Amberzyme target sequence Seg ID No 1790.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 5 A; 2 C; 6 G; 0 T; 4 U; 0 Other;
                                                                                                Mcswiggen JA,
                                                                                                                                                                                    Claim 4; Page 68; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            366 CATCTACCACATGTTCA 382
                                          16-MAY-2000; 2000US-00572021.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       17 CATCTACCAGCTGTTCA 1
                                                                                                Von Carlowitz I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ABK19143 standard; RNA; 17
                                                               (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 88.2
Best Local Similarity 88.2
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                                                                         (GLAX ) GLAXO GROUP LTD
                                                                                                                    WPI; 2002-082995/11.
                                                                                                Jarvis T,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ABK19143;
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The invention relates to a nucleic acid molecule (I) which down regulates expression of an Ets-related gene (ERG). (I) is useful for treating conditions selected from cancer, lymphoma, Ewing's sarcoma, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, melanoma, tumour angiogenesis, diabetic retinopathy, macular degeneration, verruca vulgaris, angiofibzoma of tubercous sclerosis, port wine stains, Sturge Weber syndrome, Rippel-Trenaunay-Weber syndrome, Osler-Weber-rendu syndrome, leukaemia, osteopozoais and wound healing. (I) is useful for treating a patient having a condition associated with the level of ERG, by contacting cells of the patient with (I) under conditions suitable for the treatment. Leukaemia or tumour the treatment. The method comprises the use of one or more therapies under conditions suitable for the treatment. Leukaemia or tumour conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a conjunction with one or more of other therapies such as radiation or chemotherapy treatment. (I) is useful for reducing ERG activity in a coll, by contacting (I) is useful for diagnosis of conditions and diseases related to the expression of ERG, and as diagnostic tool to campine genetic drift and mutations within diseased cells or to detect the presence of ERG RNA in a cell. (I) is useful for specifically caspeting genes that share homology with ERG gene or ERG fusion genes.
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                                                                                                                                                                                                                                                                                                                                                                                                                  gene,
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useful for treating cancer, diabetic retinopathy, macular degeneration,
arthritis, psoriasis, verruca vulgaris and Sturge Weber syndrome.
Osler-Weber-rendu syndrome, leukaemia; osteoporosis; DNAzyme; inozyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 enzymatic nucleic acid molecules which regulate expression of ERG, and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Gaps
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88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 5 A; 2 C; 7 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                               Mcswiggen JA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human PAPP-Ea associated 17-mer SEQ ID 761.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Claim 4; Page 120; 149pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      365 CCATCTACCACATGTTC 381
                                                                                                                                                                                  16-MAY-2001; 2001WO-US015866.
                                                                                                                                                                                                                         6-MAY-2000; 2000US-00572021
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                                                                                                                                                                                                                                                                                                                             Jarvis T, Von Carlowitz I,
                                                                                                                                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC. (GLAX ) GLAXO GROUP LTD.
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Best Local Similarity 88.24
Matches 15; Conservative
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                                                                                                    WO200188124-A2
                                                           Номо варіепв
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                     amberzyme
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ID ABS7
XX AC ABS7
XX DT 24-I
XX DB HUME
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This invention describes a novel isolated nucleic acid that encodes one of three new isoforms of human pregnancy associated plasma protein E, harpe-E. The products of the invention have abortive and contraceptive activity and can be used for gene therapy or in a vaccine. The nucleic acid, polypeptide encoded by it, or antibody to the polypeptide can be used in pharmaceutical compositions or vaccines for preventing or aborting pregnancy. PAPP-E is used in the antenatal diagnosis of dysgenetic pregnancies. The nucleic acids are used as probes to assess the level of PAPP-E isoform mRNA in chorionic villus samples, and the antibodies can be used to assess the expression levels of PAPP-E isoform proteins in chorionic villus samples, to diagnose dysgenetic pregnancies antenatally. This sequence reperseents an oligomer used in scanning the human PAPP-E genes described in the disclosure of the invention
PAPP-E; human; pregnancy associated plasma protein E; abortive; contraceptive; gene therapy; vaccine; pregnancy; antenatal; diagnosis; dysgenetic pregnancy; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PAPP-E; human; pregnancy associated plasma protein E; abortive; contraceptive; gene therapy; vaccine; pregnancy; antenatal; diagnosis; dysgenetic pregnancy; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gape
                                                                                                                                                                                                                                                                                                                                                             New isolated nucleic acid encoding an isoform of human pregnancy associated plasma protein E, for preventing or aborting pregnancy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 2 A; 8 C; 2 G; 5 T; 0 U; 0 Other;
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                                                                                                                                                                                                       26-MAY-2000; 2000US-0207456P.
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nes 15; Conservative
                                                                                                                                                                                                                                        (GUYY/) GU Y.
(SHAN/) SHANNON M E.
                                                                                                                                                                                                                                                                                                                             WPI; 2002-697817/75
                                                                                                                                                                                                                                                                                           Gu Y, Shannon ME;
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                                                                     Homo sapiens
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Matches
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The invention relates to an isolated SH3 domain (POSH)-like signalling protein 1 (POSHL 1) polypeptide (I), comprising a sequence of 730 amino acids (SI, ABB8399), a sequence having 65% sequence identity to (S1), (S1) having 95% deviations, especially conservative substitutions or a fragment of the sequences comprising at least 8 contiguous amino acids. Human POSHL 11 is a proto-oncogene/oncogene product that functions as an adaptor protein that interacts with Rho family small GTPases as well as downstream components of the signal transduction pathway. (I) is useful for identifying a specific binding partner. (I) and nucleic acids (II) canceding (I) are useful for diagnosing, monitoring disease and treating caused by altered expression of human POSHL1 including disease and treating treating cancer, they useful in the development of vaccines and (II) is useful in gene therapy. (II) is useful for constructing microarrays which are useful for measuring and for surveying gene expression and creating transgenic non-human animals capable of producing the proteins. The
                                                                                                           Novel human SH3 domain (POSH)-like signaling protein 1 polypeptide, POSHL-1, useful for treating disorders associated with decreased expression or activity of human POSHL1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               present sequence is that of a scanning oligonucleotide useful in examples of the invention. Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to Derwent by the European Patent Office
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Rho GTPase; signal transduction; gene expression; cancer; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                   Example 2; SEQ ID NO 422; 60pp + Sequence Listing; English
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2001WO-US000667.
2001WO-US000668.
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2001WO-US000670.
2001US-00864761.
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2001WO-US000665.
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Matches 15; Conservative
                                                              WPI; 2002-684061/74.
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30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
30-JAN-2001;
23-MAY-2001;
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                         Shannon M;
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                                                                                                                                                                                                                                                                                                        This invention describes a novel isolated nucleic acid that encodes one of three new isoforms of human pregnancy associated plasma protein E, harpere. The products of the invention have abortive and contraceptive activity and can be used for the invention have abortine. The nucleic acid, polypeptide encoded by it, or antibody to the polypeptide can be used in pharmaceutical compositions or vaccines for preventing or aborting pregnancy. PAPPE is used in the antenatal diagnosis of dysgenetic pregnancies. The nucleic acids are used as probes to assess the level of PAPPE isoform mRNA in chorionic villus samples, and the proteins of no be used to assess the expression levels of PAPP-E isoform proteins in chorionic villus samples, to diagnose dysgenetic pregnancies antenatally. This sequence represents an oligomer used in scanning the human PAPP-E genes described in the disclosure of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; POSHL 1; SH3 domain; POSH-like signalling protein 1; oncogene; Rho GTPase; signal transduction; gene expression; cancer; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
                                                                                                                                                                                                                           associated plasma protein E, for preventing or aborting pregnancy
                                                                                                                                                                                                      New isolated nucleic acid encoding an isoform of human pregnancy
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 2 A; 8 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                  Example 2; Page 175; 353pp; English
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2001WO-US000667.
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2001WO-US000670.
2001WS-02800670.
2001US-00864761.
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26-MAY-2000; 2000US-0207456P
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                                                                                                                                                       WPI; 2002-697817/75
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                                            GU Y.
SHANNON M
                                                                                                               Gu Y, Shannon ME;
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23-MAY-2001;
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(SHAN/)
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Best Loca Matches

RESULT 298

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ABV89709

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Gaps

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823 CTCTTCTGCCCAACACT 839
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                                                      Mcswiggen JA;
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(MCSW/) MCSWIGGEN J A.
                                                                                                 WPI; 2002-706994/76
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Best Local Similarity
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                                                      Blatt L,
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                                                                                                                                                                                                                                                                                                                                                    The invention relates to an isolated SH3 domain (POSH)-like signalling protein 1 (POSHL 1) polypeptide (I), comprising a sequence of 730 amino acids (SI, ABBB3999), a sequence having 6% sequence identity to (SI), (SI), having 95% deviations, especially conservative substitutions or a fragment of the sequences comprising at least 8 contiguous amino acids. Human POSHL 1 is a proto-oncogene/oncogene product that functions as an adaptor protein that interacts with Rho family small GTPases as well as downstream components of the signal transduction pathway. (I) is useful if for identifying a specific binding partner. (I) and nucleic acids (II) encoding (I) are useful for identifying a specific binding partner. (I) and nucleic acids (II) encoding (I) are useful for interacts of the development of vaccines and treating caused by altered expression of human POSHL1 including disease and treating caused by altered expression of human POSHL1 including disease and (II) is useful in gene therapy. (II) is useful for constructing microarrays which are useful for measuring and for surveying gene expression and creating transgenic non-human animals capable of producing the proteins. The present sequence is that of a scanning oligonucleotide useful in examples of the invention. Note: The present sequence did not form part of the printed specification, but is based on sequence information supplied to
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                                                                                                                                                                                                       Novel human SH3 domain (POSH)-like signaling protein 1 polypeptide, POSHL-1, useful for treating disorders associated with decreased expression or
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                                                                                                                                                                                                                                                                                                              Example 2; SEQ ID NO 1522; 60pp + Sequence Listing; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1237 CTCCTTGGTGCCCGGGC 1253
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10-OCT-2001; 2001US-0328205P.
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Local Similarity 88.2%;
es 15; Conservative (
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                                                                                                                                                                                                                                                        activity of human POSHL1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Amberzyme; Zinzyme; ss
                                                                                                                                                    WPI; 2002-684061/74.
                                                   (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            West Nile Virus.
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                                                                                                      Shannon M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACN03715;
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RESULT 300 ACN03715/c

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Matches

19-OCT-2001; 2001WO-US048350. 0-OCT-2000; 2000US-0242411P.

(RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L.

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                                                                                                                                                    treating a condition related to WNV) intentions are insulated replication treating a condition related to WNV infection e.g. pancreatitis, encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, niver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNNzzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed, however, SEQ ID NO 2194-2206 and 17502-17514 are not given molecule of the invention
                                                                                                                                          The invention relates to nucleic acid molecules that modulate replication
New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 4 A; 1 C; 10 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
                                                                                         Claim 23; SEQ ID NO 3718; 495pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (RIBO-) RIBOZYME PHARM INC.
(BLAT/) BLATT L.
(MCSW/) MCSWIGGEN J A.
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                                                                                The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, meningitis, neurologic infection, hepatilis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DhAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, least then 2'-O-methyl modifications, phosphorothicate linkages on at least three of the 5' terminal nuclectides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID No 1 to 37080 are claimed; however, SEQ ID No 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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(WNV), useful for treating a condition related to WNV infection e.g pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
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                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 13.8; DB 1; Length 17; 76.5%; Pred. No. 1.5e+02; ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 5 A; 8 C; 2 G; 0 T; 2 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WNV Hammerhead Ribozyme substrate SEQ ID NO 225.
                                                     23; SEQ ID NO 11551; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 23; SEQ ID NO 225; 495pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 359 TCCGCACCATCTACCAC 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1 UCCGGACCAUCAACCAC 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ACN00235 standard; RNA; 17 BP
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                                                                                                                                                                                                                                                                                                                        molecule of the invention
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(MCSW/) MCSWIGGEN J A.
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                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       West Nile Virus.
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The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (WNV). The nucleic acid molecules are useful for

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                encephalitis, myocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nuclectides and a3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to nucleic acid molecules that modulate replication of the West Nile Virus (NNV). The nucleic acid molecules are useful for treating a condition related to WNV infection e.g. pancreatitis, encephalitis, mayocarditis, meningitis, neurologic infection, hepatitis, liver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least ten 2'-0-methyl modifications, phosphorothioate linkages on at
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                                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic; virucide; neuroprotective; antibacterial; replication; pancreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
treating a condition related to WNV infection e.g. pancreatitis,
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                                                                                                                                                                                                                                                                                                                                         0.9%; Score 13.8; DB 1; Length 17; 76.5%; Pred. No. 1.5e+02; ive 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                              Sequence 17 BP; 4 A; 4 C; 5 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WNV Hammerhead Ribozyme substrate SEQ ID NO 224.
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                                                                                                                                                                                                                                                                                                                                                                                                                                        283 GAGCCATCCCTGGGGAA 299
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1 GAGCCAUUCCUGUGGAA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ACN00234 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                        molecule of the invention
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Matches 13; Conservative
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least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted absaic molety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                   Score 13.8; DB 1; Length 17; Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                       Seguence 17 BP; 3 A; 4 C; 6 G; 0 T; 4 U; 0 Other;
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13:01:39 2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 GGAGCCAUUCCUGUGGA 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ACN04899 standard; RNA; 17 BP
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Best Local Similarity 76.5%;
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                                                                                                                                                                                                                                                                                                          molecule of the invention
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2; Indels

WNV, West Nile Virus, antiinflammatory; cytostatic; hepatotropic; virucide; neuropyrotective; antibaccerial; replication; panoreatitis; encephalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;

WO200268637-A2

06-SEP-2002

19-OCT-2001; 2001WO-US048350.

20-OCT-2000; 2000US-0242411P.

(RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J A.

Blatt L, Mcswiggen JA;

New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis. WPI; 2002-706994/76

Claim 23; SEQ ID NO 4902; 495pp; English

of the West Nile Virus (WNV). The nucleic acid molecules are useful for treating a condition related to MNV infection e.g. pancreatitis, mensephalitis, meningitis, meningitis, neurologic infection, hepatitis, neocophalitis, meningitis, neurologic infection, hepatitis, ilver failure, hepatocellular carcinoma or cirrhosis. The nucleic acid molecule is selected from the group of ribozymes consisting of Hammerhead, Inozyme, G-cleaver, DNAzyme, Amberzyme and Zinzyme. The nucleic acid molecules further comprise at least five ribose residues, at least three of the 5' terminal nucleotides and a 3' end modification of a 3'-3' inverted abasic moiety. Nucleic acid molecules SEQ ID NO 1 to 37080 are claimed; however, SEQ ID NO 2194-2206 and 17502-17514 are not given in the specification. The present sequence is that of a nucleic acid molecule of the invention The invention relates to nucleic acid molecules that modulate replication

Seguence 17 BP; 1 A; 2 C; 8 G; 0 T; 6 U; 0 Other;

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0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ive 0; Mismatches 2; Indels

0;

Local Similarity 88.2 les 15; Conservative

Query Match Best Loca Matches 283 GAGCCATCCCTGGGGAA 299

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Sequence 17 BP; 4 A; 5 C; 4 G; 0 T; 4 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      New nucleic acid molecule that modulates replication of West Nile Virus (WNV), useful for treating a condition related to WNV infection e.g. pancreatitis, meningitis, hepatocellular carcinoma or cirrhosis.
                                     Gape
                                                                                                                                                                                                                                                                                                                                                virucide; neuroprotective; antibacterial; replication; pancreatitis; encaphalitis; myocarditis; meningitis; infection; hepatitis; liver failure; cancer; cirrhosis; Hammerhead; Inozyme; DNAzyme;
                                                                                                                                                                                                                                                                                                                                   WNV; West Nile Virus; antiinflammatory; cytostatic; hepatotropic;
                                     ö
 Length 17;
                                  2; Indels
                                                                                                                                                                                                                                                                                                 WNV minus strand Amberzyme substrate SEQ ID NO 15128.
Score 13.8; DB 1;
Pred. No. 1.5e+02;
; Mismatches 2,
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                                                                    360 CCGCACCATCTACCACA 376
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ID ACN15125 standard; RNA; 17 BP
0.9%;
                                                                                                       17 CCGGACCATCAACCACA 1
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                                     15; Conservative
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 Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                        West Nile Virus.
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17 GAGCCATTCCTGTGGAA 1

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Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; actizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.

Tuijnder M;

relerman A, Amson R, WPI; 2003-313353/30.

(MOLE-) MOLECULAR ENGINES LAB.

17-SEP-2001; 2001FR-00011978. 17-SEP-2002; 2002WO-IB004208

WO2003025175-A2 Homo sapiens.

27-MAR-2003.

Tumour suppression related human fukutin oligo SEQ ID No 2095.

L2-JUN-2003 (first entry)

ABT36458;

ABT36458 standard; DNA; 17 BP.

RESULT 307

ABT36458

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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment at least 80 % identity to the 17 mer sequence that alignment at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of angle of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the mucleic acids, component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the mucleic acids, containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell diseases that are characterised by development of tumours or cell diseases that hanlysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polypurcleotide sequence represents a tumour suppression chips.
                                                                                                                                                                                                               Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                     Tumour suppression related human fukutin oligo SEQ ID No 986.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.8; DB 1; Length 17; llarity 88.2%; Pred. No. 1.5e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 2 A; 7 C; 3 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 148; 720pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Tuijnder M;
                                          ABT35349 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                     17-SEP-2002; 2002WO-IB004208.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-SEP-2001; 2001FR-00011978.
                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2003-313353/30.
                                                                                                                                                                                                                                                                                                                                                                  WO2003025175-A2.
                                                                                                                                                                                                                                                                                  human fukutin;
                                                                                                                                                                                                                                                                                                                          Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Telerman A,
                                                                                                                            12-JUN-2003
                                                                                                                                                                                                                                                                                                                                                                                                             27-MAR-2003.
                                                                                    ABT35349;
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RESULT 306
ABT35349/c
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying and/or amplifying a nucleic acid, e.g. as one production of recombinant polypeptides. Any of the nucleic acids, component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the vector or antibodies directed against the polypeptides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and contisophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these cids and antibodies are useful as components of protein but he polypeptides can also be used to generate antibodies, and but he polypeptides can also be used to generate antibodies, and but he polypeptides and antibodies are useful as components of protein but also but he were the containing the cont
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             therapy. This polynucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention
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18.2%; Pred. No. 1.5e+02;
ve 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Disclosure; Page 278; 720pp; French.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17
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Best Local Similarity 88.2%;
Matches 15; Conservative
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RESULT 308

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Gaps

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773 GACGAGGTGAGGGGATC 789

Best\_Local Similarity Matches 15; Conserv

17 GACGAGGICAGGAGATC 1

ABT36432;

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Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                  Tumour suppression related human fukutin oligo SEQ ID No 2191.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 2 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                       Disclosure; Page 289; 720pp; French
                                                                                                                                                                                                                                                           Tuijnder M;
         ABT36554 standard; DNA; 17 BP.
                                                                                                                                                                                                                                       (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                17-SEP-2002; 2002WO-IB004208.
                                                                                                                                                                                                                    17-SEP-2001; 2001FR-00011978.
                                               (first entry)
                                                                                                                                                                                                                                                                                                                     and transfected cells.
                                                                                                                                                                                                                                                           relerman A, Amson R,
                                                                                                                                                                                                                                                                               WPI; 2003-313353/30.
                                                                                                                                                         WO2003025175-A2
                                                                                                                                      domo sapiens
                                               12-JUN-2003
                                                                                                                                                                            27-MAR-2003
                            ABT36554;
ABT36554/c
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that obtained to the an interest of a sequence with a sequence that obtained to the corresponding RNA. The novel isolated nucleic for any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, propeptides, vectors containing the nucleic acids, cells containing the production of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these diseases. The polypeptides and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression.

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Score 13.8; DB 1; Length 17;
Pred. No. 1.5e+02;
0; Mismatches 2; Indels
 0.9%;
Query Match 0.9
Best Local Similarity 88.2
Matches 15, Conservative
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Gaps ö

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789 773 GACGAGGTGAGGGGATC 17 GCCGAGGTGAGAGGATC

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ABT36432 ID ABT36432 standard; DNA; 17 BP. RESULT 309

ABT34453

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component, at least 80 % identify to the 17 mer accurate, a sequence containing at least 15 consecutive, nucleotides from the 17 mer sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a the complement of them, or the corresponding RNA. The novel isolated nucleic of any of them, or the corresponding RNA. The novel isolated nucleic of a sequence of a gene chip, in vitro as (anti) sense reagents, and for component of a gene chip, in vitro as (anti) sense reagents, and for component of a gene chip, in vitro as (anti) sense reagents, and for component of a gene chip, in vitro as (anti) sense reagents, and for component of pharmaceuticals for prevention and/or treatment of viral correct or antibodies directed against the polypeptides are useful for prevention and/or treatment of viral correct or antibodies directed against the polypeptides are useful for development of tumours or cell cases that are characterised by development of tumours or cell cases that are characterised by development of tumours or cell cases that are characterised by development of tumours of these chizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression calated human fukutin oligonucleotide of the invention can be used in gene calated human fukutin oligonucleotide of the invention.
                                                                                                                                                  cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The invention relates to a novel isolated 17 mer nucleic acid sequence
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                                                                                                                              rumour suppression related human fukutin oligo SEQ ID No 2069.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          0.9%; Score 13.8; DB 1; 88.2%; Pred. No. 1.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1350 GATACTCTTCCTTGTCA 1366
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                                                                                   12-JUN-2003 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           relerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-313353/30.
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                                                                                                                                                                                                                                                                                                                                          WO2003025175-A2
                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                     27-MAR-2003
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The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal alignment, at least 80 % identity to the 17 mer sequence that contained to the moder to the moder to the sequence that hybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, properties, vectors containing the nucleic acids, cells containing the propagation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and chips. The nucleic acid sequences of the invention can be used in gene therapy. This polynucleotide sequence represents a tumour suppression calated human fukutin oligonucleotide of the invention
                                                                                                  Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; edizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                          Tumour suppression related human fukutin oligo SEQ ID No 90.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Disclosure; Page 44; 720pp; French
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                     (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ABT39454 standard; DNA; 17 BP
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                 (first entry)
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                                                                                                                                                                                                             Homo sapiens
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                   12-JUN-2003
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SXXXE
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Gaps ö 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; Ive 0; Mismatches 2; Indels Sequence 17 BP; 5 A; 2 C; 8 G; 2 T; 0 U; 0 Other; 1112 GATTTGGAGACAGGATG 1128 88.2%; Best Local Similarity 88.2 Matches 15; Conservative

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1 GATCGGGAGACAGGATG 17

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; human fukutin; ds. New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells. Tumour suppression related human fukutin oligo SEQ ID No 5091 Tuijnder M; (MOLE-) MOLECULAR ENGINES LAB. 17-SEP-2002; 2002WO-IB004208. 17-SEP-2001; 2001FR-00011978. Felerman A, Amson R, WPI; 2003-313353/30. WO2003025175-A2 Homo sapiens 27-MAR-2003 

The invention relates to a novel isolated 17 mer nucleic acid sequence, convention in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence that alignment, at least 80 % identity to the 17 mer sequence that thybridizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic caids of the invention are useful as probes and primers for detecting, dentifying and/or amplifying a nucleic acid, e.g. as one component of a gene chip, in vitro as (anti) sense reagents, and for production of recombinant polypeptides. Any of the nucleic acids, concorned or production of recombinant polypeptides. Any of the nucleic acids, copreduction of reaccentional process of parameteuticals for prevention and/or treatment of viral desensation of pharmaceuticals for prevention and/or treatment of viral degeneration, specifically cancer but also Alzheimer's disease and coprisents Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for diagnosis and/or prognosis of these copression chips. The nucleic acid sequences of the invention can be used in gene chips. The nucleic acid sequences of the invention can be used in gene charapy. This polymucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention Disclosure, Page 629; 720pp; French.

Gaps ö 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; Live 0; Mismatches 2; Indels Sequence 17 BP; 3 A; 1 C; 8 G; 5 T; 0 U; 0 Other; 1419 GAACGTGCTGATGTGGA 1435 11 BP 1 GATCGTGGTGATGTGGA ACA06527 standard, RNA; 17 (first entry) Query Match
Best Local Similarity 88.2
Matches 15, Conservative 03-JUN-2003 ACA06527 RESULT 312 ACA06527/c ð BXXXXXB

NFKB sub-unit modulating inozyme substrate #346.

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Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.
         Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme; G-cleaver; amberzyme; cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; costate cancer; cancer; brain cancer; head cancer; estomach cancer; bladder cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; docetaxel; cisplatin; methotraxate; cyclophosphanide; doxorubin; fluorouracil carboplatin; edatrexate; gemcitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatorid arthritis; restenodais; Crohn's disease; obesity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammatory bowel disease; infection; ss.
                                                                                                                                                                                                                                                                                              92US-00987132.
94US-00245466.
94US-00291932.
96US-00777916.
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                                                                                                                                                                                                                                                                        23-MAY-2001; 2001US-00864785.
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                                                                                                                                                                                                                                                                                                                                                                          MCSWIGGEN
                                                                                                                                                                                                                     US2002177568-A1.
                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                07-DEC-1992;
                                                                                                                                                                                                                                                                                                             18-MAY-1994;
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(DRAP/)
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Draper KG;

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The invention describes an enzymatic nucleic acid molecule (I) which down regulates expression of a sequence encoding a subunit of nuclear factor regulates expression of a sequence encoding a subunit of nuclear factor crading a links), where (I) is an inozyme, d-leaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat cancer and is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially Mg^2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanomach, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies REL-Aspecific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methorrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, doxorubin, fluorouracil carboplatin, edatrexate, cyclophosphamide, aradiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatorid arthritis, restenosis, asthma, Crohn's disease such as rejection, gene therapy applications, inflammatory because such as expesse, allery allery allery allery allery applications, inflammatory because and allery and inflammatory because and allery and inflammatory because the engane of engane of the engane of engane 
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Claim 3; Page 32; 72pp; English.
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Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for treating cancer, inflammatory disorders and autoimmune diseases.

WPI; 2003-340953/32.

Claim 3; Page 33; 72pp; English.

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regulates expression of a sequence encoding a subunit of nuclear factor kappa B (NFKB), where (I) is an inozyme, zinzyme, G-cleaver or amberzyme configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The enzymatic nucleic acid molecule is adapted to treat configuration. The subulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A. (I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG-2+. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oesophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug therapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methocrexate, cyclophosphamide, doxorubin, fluorouracil canboplatin, edatrexate, gemcitabine or radiation therapy. The enzymatic and antisense nucleic acid molecules are also useful for treating inflammatory disease such as
The invention describes an enzymatic nucleic acid molecule (I) which down
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Pred. No. 1.5e+02;
0; Mismatches 2; Indels
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Best Local Similarity 88.2
Matches 15; Conservative
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G-cleaver, movered cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; REL-A activity; breast cancer; human; lung cancer; prostate cancer; colorectal cancer; brain cancer; human; cestophagal cancer; cancer; badder cancer; brain cancer; cervical cancer; head and neck cancer; ovarian cancer; melanoma; lymphoma; glioma; multidrug resistant cancer; REL-A-specific inhibitor; chemotherapy; paclitaxel; decetaxel; cisplatin; methotraxate; gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; obesity; ischaemis; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonephritis; allergic airway inflammatory bowel disease; infection; se.
                                                                                                                                                                                        Enzymatic nucleic acid; nuclear factor kappa B; NFKB; inozyme; zinzyme;
                                                                                                                                                                 NFKB sub-unit modulating inozyme substrate #407.
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     156 GCTGGAGCAGCGCAGG 172
                                                                                          ACA06588 standard; RNA; 17 BP.
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94US-00245466.
94US-00291932.
96US-00777916.
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23-DEC-1996;
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             obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury (central nervous system (CMS) and mycocardial), glomerulonephritis, sepsis, allergic airway inflammation, inflammatory bowel disease or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          gencitabine; radiation therapy; inflammatory disease; asthma; diabetes; rheumatoid arthritis; restenosis; Crohn's disease; obseity; ischaemia; gene therapy; autoimmune disease; lupus; multiple sclerosis; sepsis; transplant/graft rejection; reperfusion injury; glomerulonophritis; allergic airway inflammation; inflammatory bowel disease; infection; ss.
                                                         infection. This sequence represents the substrate of a novel enzymatic nucleic acid molecule
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 rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes
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                                                                                                                           Score 13.8; DB 1;
Pred. No. 1.5e+02;
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                                                                                                                                                                                                                                                                     ACA07773 standard; RNA; 17 BP
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Best Local Similarity 58.8
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treating a patient having a condition associated with the level of REL-A.

(I) is useful for down-regulating REL-A activity in a cell, for treating a patient having a condition associated with the level of REL-A.

(I) is useful for cleaving RNA comprising a sequence of REL-A gene, in the presence of a divalent cation, especially MG-4. The enzymatic and antisense nucleic acid molecules are useful for treating breast, lung, prostate, colorectal, brain, oseophageal, stomach, bladder, pancreatic, cervical, head and neck, ovarian cancer, melanoma, lymphoma, glioma or multidrug resistant cancer. The method involves use of other drug cherapies such as monoclonal antibodies, REL-A-specific inhibitors or chemotherapy including paclitaxel, docetaxel, cisplatin, methotrexate, cyclophosphamide, doxorubin, fluorouzacil carboplatin, edatrexate, gemcitabine or radiation therapy. The enzymatic and antisense nucleic caid molecules are also useful for treating inflammatory disease such as rheumatoid arthritis, restenosis, asthma. Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft crejection, gene therapy applications, ischaemia/reperfusion injury (central nervous system (CNS) and myocardial), glomerulonephitis,
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configuration. The enzymatic nucleic acid molecule is adapted to
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ve 5; Mismatches 2; Indels
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Best Local Similarity 58.8%;
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                            Nguyen C;
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                                                                                                         Novel enzymatic nucleic acid molecules which down regulates expression of a sequence encoding a subunit of nuclear factor kappa B useful for
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          rheumatoid arthritis, restenosis, asthma, Crohn's disease, diabetes, obesity, autoimmune disease, lupus, multiple sclerosis, transplant/graft rejection, gene therapy applications, ischaemia/reperfusion injury (central nervous system (CNS) and myocardial), glomerulonephritis, sepsis, allergic airway inflammation, inflammatory bowel disease or
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 infection. This sequence represents the substrate of a novel enzymatic
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                                                                                                                             a sequence encoding a subunit of nuclear factor kappa B useful f
treating cancer, inflammatory disorders and autoimmune diseases.
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Pred. No. 1.5e+02;
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                            Mcswiggen J, Draper KG;
                                                                                                                                                                                     Claim 3; Page 32; 72pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       157 CTGGAGCAAGCGCAGGG 173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADB04224 standard; DNA; 17 BP
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Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     nucleic acid molecule
                                                                  WPI; 2003-340953/32
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                            Stinchcomb DT,
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New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27 or MD212, e.g. cancer.
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88.2%; Pred. No. 1.5e+02;
rative 0; Mismatches 2; Indels
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15q26.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy
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                                                                  The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is concoded at chromosome 7q22.1, MD24 is encoded at chromosome 6p11.3 and MD212 is encoded at chromosome 6p12.3 and MD27 is encoded at chromosome 16p11.2 and MD212 is encoded at chromosome for increasing or preventing a disorder cor in manufacturing a medicament for treating or preventing a disorder casociated with decreased or increased expression or activity of MD23. MD24, MD21, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids can also be used as probes to detect and characterize gross alterations in MD23, MD24, MD27, or MD212 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Cytostatic; immunostimulant; gene therapy; vaccine; human; zinc finger protein; MDZ3; MDZ4; MDZ1; Chromosome 7q22.1; chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
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                                        Example 8; SEQ ID NO 5211; 103pp; English.
MDZ4, MDZ7 or MDZ12, e.g. cancer
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Matches 15; Conservative
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or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
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ADB04223/c
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Homo sapiens
  ABZ60036;
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useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
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                                                            0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels
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18.2%; Pred. No. 1.5e+02;
ve 0; Mismatches 2; Indels
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                                         Sequence 17 BP; 4 A; 3 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                        Plasmid pXL3675-related oligonucleotide #2.
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                                                                                                     1296 GGCCCATGAGTATCT 1312
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23-APR-2001; 2001US-0285272P.
                                                                                                                                                                                                                                                                                                                                             25-MAR-2002; 2002WO-FR001034
                                                                      88.28;
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                                                                                                                     17 GGCCCAAGAATATGT
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                                                                      Local Similarity 88.2
nes 15; Conservative
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Best Local Similarity 88.2
Matches 15, Conservative
                                                                                                                                                                                                                                                            Triple helix; pXL3675;
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                                                                                                                                                                                                                                                                                                     WO200277274-A2.
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                                                                                                                                                                                                                                                                                 Synthetic
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                                                              Query Match
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Matches
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ID ABZ600;
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The invention relates to a novel short interfering RNA (siRNA) nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immunodeficiency virus (HIV) or a component of HIV. The nucleic acid molecule activity. The nucleic acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV acid molecules are useful for reducing HER2, K-Ras, H-Ras, and HIV accivity in a cell. The nucleic acids are also useful for treating breast, ovarian, colorectal, lung, prostate, also useful for treating breast, ovarian, colorectal, lung, prostate, shown in ABZ59889 - ABZ66216, ABZ66531, ABZ66520 - ABZ66524, ABZ66530 - ABZ66531, ABZ6653
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                                                                                                                                                                                                                                       Human; ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
anti-rheumatic; cancer; AIDS; ss.
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                                                                                                                                Human K-Ras DNAzyme substrate #148
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06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
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21-MAR-2003 (first entry)
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nes 15; Conserv
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acid molecule or an enzymatic nucleic acid molecule, that modulates expression of a nucleic acid molecule encoding HER2, K-Ras, H-Ras, N-Ras, human immundeficiency virus (HIV) or a component of HIV. The nucleic acid molecule of the invention has cytostatic, anti-HIV, and anti-rheumatic activity. The nucleic acid molecules are useful for reducing also useful for treating breast, ovarian, colorectal, lung, prostate, bladder, or pancreatic cancer, and HIV infection, and AIDS. The sequences shown in ABZ59889 - ABZ62216, ABZ64544 - ABZ65531, ABZ66520 - ABZ66524, ABZ66530 - ABZ6658 represent substrate/target sequences for the human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                    invention relates to a novel short interfering RNA (siRNA) nucleic
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Murine oligonucleotide associated with tumour supression, SEQ ID 4797.
                                                                                                                                 Novel short interfering RNA and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding HER2, K-Ras, H-Ras, N-Ras, and human deficiency virus sequences.
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88.2%; Pred. No. 1.5e+02;
ttive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                            Claim 58; Page 114; 185pp; English.
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(RIBO-) RIBOZYME PHARM INC
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Matches 15; Conservative
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                                              Mcswiggen J;
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enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
anti-rheumatic; cancer; AIDS; ss.
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06-JUN-2001; 2001US-0296249P.
10-SEP-2001; 2001US-0318471P.
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Local Similarity 64.7%;
Les 11; Conservative
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                       WO200297114-A2
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Matches
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RESULT 323 ABZ61374

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Gaps

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The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip; in vitro as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoptocess and virus resistence. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip; in vitro as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration.
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                                                                                                                                                                                                                                                                                                                                                                                    17 AGGGTGGGAGGGATC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ACC65385 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                            42 AGGGCTGGGAGGGGAGC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-333167/31.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            schizophrenia; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003025176-A2.
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Matches
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0.9%; Score 13.8; DB 1; Length 17;

Query Match

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ACC6806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying and/or amplifying nucleic acid, e.g. as one component of a gene chip, in vitro as (anti)sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                              Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                           Gape
                                                                                                                                                                                                                                                  Murine oligonucleotide associated with tumour supression, SEQ ID 337.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to murine oligonucleotides (ACC62754-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          specifically cancer but also Alzheimer's disease and schizophrenia
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                          Indele
1.5e+02;
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88.2%; Pred. No. 1.5e+02;
attive 0; Mismatches 2;
                           Mismatches
            Pred. No.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Tuijnder M;
 88.2%; Pre-
                                                       123 GACCCGACACATGGAGG 139
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 746 AGGCTGTGCCTGGGATC 762
                                                                                1 GATCCTACACATGGAGG 17
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                                                                                                                                                            ACC63090 standard; DNA; 17
                                                                                                                                                                                                                      (first entry)
         *Best Local Similarity
Matches 15; Conservative
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                              schizophrenia; ss.
                                                                                                                                                                                                                                                                                                                                                                                      WO2003025176-A2.
                                                                                                                                                                                                                                                                                                                                                          Mus musculus.
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                                                                                                                                                                                        ACC63090;
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                                                                                                                               RESULT 326
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Tumour suppression/reversion associated nucleotide #683.
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Best Local Similarity
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                                                                                                                                                                      WO2003040369-A2.
                                                                                                                                   Homo sapiens.
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                                                                                               diagnosis.
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Analysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules, the containing the vectors of their specific interactive molecules.
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                                                                                         cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
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88.2%; Pred. No. 1.5e+02;
ive 0; Mismatches 2; Indels
                                                       Tumour suppression/reversion associated nucleotide #563.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 4 A; 3 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; Page 97; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                      Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   334 GATGAGCTGATGGAGGT 350
                                                                                                                                                                                                                                                                                                                                                                                 (MOLE-) MOLECULAR ENGINES LAB
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(revised)
(first entry)
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(first entry)
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Best Local Similarity 88.2
Matches 15; Conservative
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                                                                                                                                                                                          Homo sapiens.
               04-DEC-2003
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                                                                                                                                                    diagnosis.
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fragments of at least 15 consecutive nucleotides of these nucleotides, a fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, or the complement, or corresponding RNA, of the nucleotides The nucleotides are used as probes or primers for detecting, identifying and or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and cells containing the vectors), the encoded polypeptides and antibodies or viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can be used to screen for their specific interactive molecules, containing the useful for presenting diseases associated with abnormal
                                       primer; probe; tumour suppression; tumour reversion; apoptosis;
virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related
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cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss;
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Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tuijnder M;
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The invention relates to a nucleic acid molecule which encodes a Na+/H+ exchanger like protein (NHELPI). The NHELPI nucleic acid molecule, NHELPI polypeptide, an antibody against the protein or its antigen-binding fragment is useful in therapy. The NHELPI nucleic acid molecule, NHELPI polypeptide and an agonist are particularly useful for manufacturing a medicament for treating or preventing a disorder associated with accessed expression or activity of human NHELPI. The antibody or its antigen-binding fragment, and an antagonist, are useful for manufacturing a medicament for treating or preventing a disorder associated with increased expression or activity of human NHELPI. The NHELPI nucleic acid or protein is useful as passive replacement therapy, as a vaccine, or in diagnostic methods. This sequence corresponds to all-mer oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     single nucleotide polymorphism; SNP; fish; Salmo salar;
Orechromis niloticus; Atlantic halibut; microsatellite; cod;
polymorphic site; seabass; salmonidae; Tilapia; rainbow trout; halibut;
                                                                                                                                                                                                       New human sodium-hydrogen exchanger like protein 1 (NHELP1), useful as passive replacement therapy or as a vaccine for treating or preventing disorders associated with aberrant expression or activity of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Oreochromis niloticus microsatellite primer SEQ ID NO:630
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88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 118; 468pp; English
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23-MAY-2001; 2001US-00864761.
21-DEC-2001; 2001US-0343331P.
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16-AUG-2002; 2002US-0404200P
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Best Local Similarity 88.2'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Oreochromis niloticus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                detection; primer; ss
                                                                                                                                                              WPI; 2003-302724/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-627388/59
                                                                   (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (GENO-) GENOMAR ASA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO2003060160-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADD19995;
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                                                                                                                                                                                                                                                                             NHELP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 331
                                                                                                                Gu Y;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADD19995,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a nucleic acid molecule which encodes a Na+/H+ exchanger like protein (NHELP1). The NHELP1 nucleic acid molecule, NHELP1 polypeptide, an antibody against the protein or its antigen-binding fragment is useful in therapy. The NHELP1 nucleic acid molecule, NHELP1 polypeptide and an agonist are particularly useful for manufacturing a medicament for treating or preventing a disorder associated with decreased expression or activity of human NHELP1. The antibody or its antigen-binding fragment, and an antagonist, are useful for manufacturing a medicament for treating or preventing a disorder associated with increased expression or activity of human NHELP1. The NHELP1 nucleic acid or protein is useful as passive replacement therapy, as a vaccine, or in diagnostic methods. This sequence corresponds to a 17-mer oligonucleotide spanning the sequence of the human NHELP1 gene (ADC03514).
                                                                                                                                                                                                                                                                                                                                                                                                                                                            passive replacement therapy or as a vaccine for treating or preventing disorders associated with aberrant expression or activity of human NHELP1.
                                                                                                                                                                                                                                                                                                                                                                                                                                         New human sodium-hydrogen exchanger like protein 1 (NHELP1), useful as
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ss; gene therapy; vaccine; sodium/hydrogen exchanger like protein; NHBLP1; passive replacement therapy; vaccine; diagnosis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human Na/H exchanger-like protein 1 gene oligonucleotide #78.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 13.8; DB 1; Length 17; ilarity 88.2%; Pred. No. 1.5e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 8 A; 1 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Example 2; SEQ ID NO 117; 468pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1349 TGATACTCTTCCTTGTC 1365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            BP.
                                                                                                                                                                                                       30-JAN-2001; 2001WO-US000666.
23-MAY-2001; 2001US-00864761.
21-DEC-2001; 2001US-0343331P.
                                                                                                                                                              25-JAN-2002; 2002EP-00001160
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                                                                                                                                                                                                                                                                                                     (AEOM-) AEOMICA INC
                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-302724/30
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ses 15; Conserv
                        Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          EP1273660-A2
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                                                                                                                08-JAN-2003
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RESULT 330

ADC03631/

Best Loc Matches

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Length 17;

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The present invention describes an isolated nucleic acid (I) comprising a single nucleotide polymorphism (SNP) chosen from: (i) a nucleic acid of salmo salar SNPs, Oreochromis niloticus SNPs or Atlantic halibut SNPs; and (ii) a nucleic acid having nucleotide sequence that hybridisation conditions.

(ii) or its complement under highly stringent hybridisation conditions.

Also described: (1) an isolated oligonucleotide (II) comprising at least of contiguous nucleotides of a nucleotide sequence of S. salar SNPs, O. niloticus sNPs, O. niloticus microsatellites, Atlantic halibut SNPs, cod polymorphic sites and seabass polymorphic sites, or their complement; (2) or a primer pair (III) suitable for use in PCR, comprising two (II) capable of amplifying a nucleotide sequence chosen from S. salar SNPs, oc niloticus microsatellites, Atlantic halibut SNPs, cod polymorphic sites and seabass polymorphic sites; and determining (MI) the corrigin of fish sample comprising providing a parentage genotype database comprising a collection of candidate parent genotypes, where a match between candidate parent genotype to the parentage genotype database, where a match between the sample genotype and one of the candidate parent genotype identifies to the origin of the sample. (MI) is useful for determining the origin of a fish sample such as family salmonidae, S. salar, Tilapia, on niloticus calmonidate parent genotype detecting nucleic acid molecule comprising SNP in a sample, which involves contacting nucleic acid that hybridises to (II) (II) is seminated from nucleotide sequence of S. salar SNPs and O. niloticus commander of sample containing the sample conta
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence in a sample, comprising contacting the sample containing nucleic acids with one or more (II) which is derived from O. niloticus more acids with one or more (II) which is derived from O. niloticus snep, Atlantic halibut SNPs, cod polymorphic sites or seabass polymorphic sites, and identifying a nucleic acid that hybridises to (II). (III) is useful for detecting nucleic acid molecule comprising a microsatellite sequence in sample. The present sequence is
                      Novel isolated nucleic acid molecule comprising single nucleotide polymorphism associated with fish, useful for forming PCR primers which are used for detecting single nucleotide polymorphisms in fish nucleic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     88; genome signature tag; library; genome signature tag library; identifier tag.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 13.8; DB 1; Length 17; Best Local Similarity 88.2%; Pred. No. 1.5e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          used in the exemplification of the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Seguence 17 BP; 2 A; 1 C; 10 G; 4 T; 0 U; 0 Other;
                                                                                                                                                    Claim 18; SEQ ID NO 630; 233pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    240 ACCTCTGCCCCCACCTC 256
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                17 ACCTCAGCACCCACCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADE35992 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Identifier tag sequence #6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US2003186251-A1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New prostate cancer candidate protein 1 (PCCP1), useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
                                                                                                                                                                                                                        signature tag
                                                                                                                                                   Generating a genome signature tag library useful for genetic analysis.
                                                                                                                                                                                                                                                                                                                                                                           Gaps
                                                                                                                                                                                                                    The invention relates to a method of generating a genome signature t
library. The method is used for generating a genome signature tag
library. The present sequence represents a Y. pestis identifier tag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    chromatin organisation modifier; CHROMO domain; cytostatic; PCCP1; prostate cancer candidate protein 1; tumour; gene therapy; vaccine;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human PCCP1 DNA fragment SEQ ID 4-directed probe - SEQ ID 357.
                                                                                                                                                                                                                                                                                                                                      0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 4 A; 9 C; 3 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Example 2; SEQ ID NO 357; 164pp; English.
                                                                                   Krause MK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (AMSH ) AMERSHAM BIOSCIENCES SV CORP.
                                                 (BROO-) BROOKHAVEN SCI ASSOC LLC.
                                                                                                                                                                                      Example; Page 7; 12pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                             438 GGGCAGGCTGCTGG 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADF62453 standard; DNA; 17 BP.
                 01~APR-2002; 2002US-00113916.
                                                                                                                                                                                                                                                                                                                                                                                                                                17 GGCTGCTGATGCTGG 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          10-DEC-2001; 2001US-0339764P.
                                                                                   Van Der Lelie D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12-FEB-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                         3est_Local Similarity 88.2
Aatches 15; Conservative
                                                                                                                   WPI; 2003-844149/78.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         human; ss; probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         19-JUN-2003
                                                                                                                                                                                                                                                                          sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADF62453;
                                                                                   Dunn JJ,
                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Suo J;
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ADF62453/c
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Indels

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Mismatches

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15; Conservative

Matches

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  in the phenomena of tumour suppression, tumour reversion, approasis and/or resistance to viruses. The invention may be useful for the development of compounds with a invention may be useful for the nootropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or amplifying nucleic acid, for example as one component of a gene chip, in vitro as antisense reagents and for production of recombinant pharmaceuticals for prevention may therefore be useful for preparation of phymaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or call degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. The sequence is that of a nucleic caid sequence of the invention.

Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
directed probe of the invention. Note: The current sequence is not shown within the specification per se but was retrieved from the WipoWeb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 This invention relates to novel isolated nucleic acid sequences involved
                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human tumour suppression/reversion-related DNA seguence SegID2315.
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                                                                                                                 Match 0.9%; Score 13.8; DB 1; Length 17; Local Similarity 88.2%; Pred. No. 1.5e+02; les 15; Conservative 0; Mismatches 2; Indels
                                                                                Sequence 17 BP; 3 A; 6 C; 6 G; 2 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 2315; 30pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Tuijnder M;
                                                                                                                                                                                                    603
                                                                                                                                                                                                                                                                                                                                               ADI49812 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-SEP-2002; 2002WO-IB004523.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               17-SEP-2001; 2001FR-00011980.
                                                                                                                                                                                                    587 CGACGGCCTGGGCTGT
                                                                                                                                                                                                                                          17 cáAcscsccrcsAcrer
                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                               15-APR-2004
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                                        database.
                                                                                                                                                                                                                                                                                                                                                                                       ADI49812;
                                                                                                                        Query Match
                                                                                                                                             Best Loca
Matches
                                                                                                                                                                                                                                                                                                       RESULT 334
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                                                                                                                                                                                                                                                                                    tumour suppression; tumour reversion; apoptosis; virus resistance; eytobataic; viruncide; neuroprotective; noodropic; neuroleptic; probe; primer; PCR; gene chip; antisense; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; ds; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              in the phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses. The invention may be useful for the development of compound with a tytostatic, virucide, neuroprotective, nootropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or amplifying nucleic acid, for example as one component of a gene chip, in vitro as antisense reagents and for production of recombinant polypeptides. The invention may therefore be useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. The present sequence data for this patent did not form part of the invention. Note: The sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                This invention relates to novel isolated nucleic acid sequences involved
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
                                                                                                                                                                                                                                                Human tumour suppression/reversion-related DNA sequence SeqID1618.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 13.8; DB 1; Length 17;
88.2%; Fred. No. 1.5e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 17 BP; 4 A; 4 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          at ftp.wipo.int/pub/publishedpct_sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Disclosure; SEQ ID NO 1618; 30pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ....1547 GATCTTGGTCCTGCCAT 1563
334 GATGAGCTGATGGAGGT 350
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (MOLE-) MOLECULAR ENGINES LAB.
                                    11
                                                                                                                                  ADI49115 standard; DNA; 17 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GATCATGGTACTGCCAT 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-SEP-2002; 2002WO-IB004523.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            17-SEP-2001; 2001FR-00011980.
                      1 GATCAGCTGATGGAGCT
                                                                                                                                                                                                          15-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Telerman A, Amson R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          WPI; 2003-313354/30.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                          WO2003025177-A2.
                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  27-MAR-2003
                                                                                                                                                                      ADI49115;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                            RESULT 335
ADI49115
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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RESULT 336

0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02;

Query Match Best Local Similarity

ADL46682/c

rheumatoid arthritis;

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Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                              antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident; central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergy: Athinitis; atopic dermatitis;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Haeberli P, Mcswiggen J, Fosnaugh K;
                                                                                        Human NOGO receptor amberzyme substrate sequence #47.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 9; SEQ ID NO 887; 317pp; English.
            ADM09492 standard; RNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
                                                                                                                                                                                                                                                                                                                                         03-APR-2002; 2002WO-US010512
                                                                                                                                                                                                                                                                                                                                                                                                                    (RIBO-) RIBOZYME PHARM INC.
                                                              (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                              Chowrira B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-058513/05.
                                                                                                                                                                                                                                                                                       WO200281628-A2.
                                                                                                                                                                                                                                                             Jnidentified,
                                                              20-MAY-2004
                                                                                                                                                                                                                                                                                                               17-0CT-2002
                                      ADM09492;
                                                                                                                                                                                                                                                                                                                                                                                                                                              Blatt L,
ADM09492/c
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The invention comprises nucleic acids (e.g. antisense oligonuclectides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin DZ receptor (FUGDR),
[IkappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
lymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), crohn's disease (e.g. rheumatoid arthritis,
ischemial-freperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic thinitis or atopic dermatis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human NOGO
receptor amberzyme substrate sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 2 A; 7 C; 5 G; 0 T; 3 U; 0 Other;
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                               Gaps
                               ö
0.9%; Score 13.8; DB 1; Length 17;
88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2; Indels
                               Conservative
             Local Similarity
es 15; Conserv
    Query Match
                 Best Loca
Matches
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920

904 GCCCAGGCCCTGGGATG

17 GCCCAGGCCGTGGAATG 1

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RESULT 337

; 906 CCAGGCCCTGGGATGTG 922 ccassccsrssaarsrs 1 88.2%; Conservative Local Similarity nes 15; Conserv 17

RESULT 338

The invention comprises nucleic acids (e.g. antisense oligonucleotides)
that down regulate the expression or inhibit the function of a receptor
for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (PTGDR),
IkappaB kinase (IKK), or protein kinase PKR. The nucleic acids of the
invention are useful for treating: cerebrovascular accident, central
nervous system (CNS) injury, spinal cord injury, cancer (e.g. melanoma,
Iymphoma or glioma), inflammatory disease (e.g. rheumatoid arthritis,
restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune
disease, lupus, multiple sclerosis, transplant/graft rejection,
ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic
conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The
nucleic acids of the invention are also useful for down-regulating the
expression of a target gene and as a diagnostic tool to examine genetic
drifts and mutations within diseased cells or to detect the presence of a
target RNA in a cell. The present RNA sequence represents a human NOGO ö antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin Dz receptor; PTGDR; IkappaB kinase; IKK; protein kinase PKR; cerebrovascular accident accident central nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; authritis; autoimmune disease; lupus; multiple sclerosis; transplant rejection; Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease. Gaps graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis; allergy; asthma; allergic rhinitis; atopic dermatitis; NOGO receptor inozyme; substrate; ds. Fosnaugh K; 0.9%; Score 13.8; DB 1; Length 17; 88.2%; Pred. No. 1.5e+02; ve 0; Mismatches 2; Indels Human NOGO receptor inozyme substrate seguence #115. Haeberli P, Mcswiggen J, Sequence 17 BP; 3 A; 7 C; 4 G; 0 T; 3 U; 0 Other; Claim 9; SEQ ID NO 215; 317pp; English. ADL46682 standard; RNA; 17 BP 05-APR-2001; 2001US-00827395. 29-MAY-2001; 2001US-0294412P. 28-AUG-2001; 2001US-0315315P. 03-APR-2002; 2002WO-US010512, (RIBO-) RIBOZYME PHARM INC. 20-MAY-2004 (first entry) Chowrira B, WPI; 2003-058513/05. WO200281628-A2. Unidentified, 17-OCT-2002 Blatt L, Query Match Best Loca Matches 셤

ADM54579

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06-MAY-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                  GENP-) GEN-PROBE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 2004-082210/08
                                                                                                                                                                                                    Hepatitis B virus
                                                                                                                                                                                                                                              WO2003106714-A1
                                                                                     HBV probe #3
                                                                                                                                                                                                                                                                                              24-DEC-2003
ADJ53658;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ADP46272;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
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                                                                                                                                                         probe.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The invention relates to a nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, e.g. a hammerhead ribozyme, NCH ribozyme, G-cleaver ribozyme, Zinzyme, DNAzyme, amberzyme, Inozyme or hairpin ribozyme. Also include are a mammalian cell including the novel nucleic acid molecule, reducing GRID activity in a cell by contacting the cell with the novel nucleic acid molecule, restring a patient having a condition associated with the level of GRID (e.g. tissue/graft rejection or leukaemia) by contacting the cell with the novel nucleic acid molecule, cleaving RNA of a GRID gene by contacting the cell with the novel nucleic acid molecule, an expression vector comprising a nucleic acid sequences (encoding at least the novel nucleic acid molecule in a manner that allows its expression), a molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule that cleaves RNA derived from a GRID gene. The nucleic acid molecule is useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and leukaemia. The present sequence is a target region for the enzymatic nucleic acids of the invention.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid molecule that down-regulates expression of Grb2-related with insert domain (GRID) gene, useful for treating a condition associated with the level of GRID, e.g. tissue/graft rejection and
                                                                                                                                                                                                 Human, 88; GRID; Grb2-related with insert domain, hammerhead ribozyme,
NCH ribozyme, G-cleaver ribozyme, Zinzyme, DNAzyme, amberzyme, Inozyme,
hairpin ribozyme, tissue rejection, graft rejection, leukaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ellis JH;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 13.8; DB 1; Length 17; 76.5%; Pred. No. 1.5e+02; ve 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Mcswiggen J, Hamblin PA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 17 BP; 5 A; 3 C; 6 G; 0 T; 3 U; 0 Other;
                                                                                                                                                         Human GRID mRNA substrate sequence #889.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Claim 4; SEQ ID NO 892; 74pp; English.
                  ADM54579 standard; mRNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADJ53658/C
ID ADJ53658 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                  23-FEB-2001; 2001US-00792818
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             10-FEB-2000; 2000US-0181594P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity 76.5%;
nes 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        27 TCTGCAGAGGACAGAAG
                                                                                                          (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Carlowitz IV,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (JARV/) JARVIS T.
(CARL/) CARLOWITZ I V.
(MCSW/) MCSWIGGEN J.
(HAMB/) HAMBLIN P. A.
(ELLI/) ELLIS J H.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2003-829646/77
                                                                                                                                                                                                                                                                                                                                        US2003134806-A1.
                                                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                            03-JUN-2004
                                                                                                                                                                                                                                                                                                                                                                                     17-JUL-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Jarvie T,
                                                               ADM54579;
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%XCCCCCCCCCCCCCX8X4444X3X1X4444X3X4X4X6X6X6X6X8X8X4X8X

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The invention relates to a capture oligonucleotide composition comprising an hepatitis B virus (HBV)-complementary sequence polymucleotide immobilised to a solid support. The composition is useful for detecting nucleic acids of HBV and/of HTV-1 and/or HCV in blological sample such as blood, serum, plasma or other body fluid or tissue to be tested. The composition can be used either in diagnostic application or for screening donated blood and that products or other tissues that may contain infectious particles. The composition facilitates detection of very low levels of HBV uncleic acids. The composition allows selective detection of nucleic acids of HBV and/or HIV and/or HCV. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Capture oligonucleotide composition useful for detection of hepatitis B virus (HBV), comprising polynucleotide having HBV-complementary sequence which is immobilized on solid support.
capture oligonucleotide; HBV; HIV-1; HCV; donated blood screening;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               breast cancer; cytostatic; gene therapy; human; ss; primer; PCR; SNP; single nucleotide polymorphism;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ö
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                                                                                                                                                                                                                                                                                                                                                                                                                     Yoshimura T;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rho family guanine-nucleotide exchange factor; XIAA0861 chromosome 3q27.3; probe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 6 A; 2 C; 8 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.5e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                     Getman DK,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Claim 18; SEQ ID NO 52; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                        Dockter JM,
                                                                                                                                                                                                                                                                                                                                                                                                                  Linnen JM, Kolk DP, Dockter JM
Ho-Sing-Loy M, Stringfellow LA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1041 CATCTTCATGCTGC 1057
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                                                                                                                                                                                                                                                    13-JUN-2003; 2003WO-US018993
                                                                                                                                                                                                                                                                                                          14-JUN-2002; 2002US-0389393P.
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25-NOV-2002; 2002US-0429136P.
24-JUL-2003; 2003US-0490234P.
             25-NOV-2003; 2003WO-US037948.
                                                                                                                                                 chromosomal position 3q27.3.
                                                                                                                                                                                                                    AAX79556 standard; DNA; 18
                                                                                                                                                                       Local Similarity 88.2
les 15; Conservative
                                    (SEQU-) SEQUENOM INC
                                                      WPI; 2004-441051/41
                                                                             from a subject.
                                                                                                                                                                                                                                                                                     Streptococcus
    10-JUN-2004.
                                                                                                                                                                                                                                                                                             WO9927125-A1
                                                                                                                                                                                                                                                                                                                23-NOV-1998;
                                                                                                                                                                                                                                      11-AUG-1999
                                                                                                                                                                                                                                                                                                       03-JUN-1999
                                                                                                                                                                                                                                                                                Synthetic
                                             Roth RB,
                                                                                                                                                                                                                              AAX79556;
                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                AAX79556,
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25-NOV-1997;

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pneumoniae 3,4-dihydroxy-2-butamone 4 phosphate synthase (ribh) protein of the invention. Ribh is a member of the GTP cyclohydrolase II family. Diseases related to expression or activity of ribh can be determined by analysing the nucleic acid sequence encoding ribh or detecting the ribh analysing the sample. ribh can also be used to identify antegonists or agonists. ribh, or its related nucleic acid, also has use as a vaccine to induce an immunological response in an animal. Antimicrobial compounds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  This sequence represents an antisense oligonucleotide which binds to the coding region of human RIP-1. RIP-1 (also known as RalBP1 and RLIP) is a GTPase activating protein (GAP) thought to be a downstream target of Ral.
                                                                                                                                                                                                                                                                                                                                                                                                                                       (e.g. agonists and antagonists of ribA), especially broad-spectrum antibiotics, may be of use in the treatment of Helicobacter pylori infection. This should decrease the advent of H. pylori-induced cancers, such as gastrointestinal carcinoma. The treatment should also cure gastric ulcers and gastritis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RIP-1; RalBP; RLIP; antisense inhibitor; anti-inflammatory; cytostatic; anti-infective; diagnose; prevent; treatment; tumour formation; ss.
                                                                                                                                           Streptococcus pneumoniae 3,4-dihydroxy-2-butanone-4 phosphate synthase
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Antisense inhibition of human RIP-1 expression, useful for diagnosing, preventing and treating conditions such as inflammation.
                                                                                                                                                                                                                                                          This sequence is a PCR primer for DNA encoding the Streptococcus
    Shilling LK;
;, Lonetto MA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1.6e+02; tive 0; Mismatches 2; Indels
    Warren RL, Kosmatka AL, Sh
Nicholas RO, Knowles DJC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human RIP-1 antisense oligonucleotide ISIS# 23903.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 18 BP; 5 A; 6 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                               Disclosure; Page 16; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 15; Col 27; 26pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            704
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17 TGTGTCTGGCCTGCGA 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   98US-00161443.
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                                                                                                                                                                 and related polynucleotides.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          688 TGTGTCCTGGTCTTCGA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AAZ89760 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  05-MAY-2000 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity 88.2
nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cowsert LM;
                          Hodgson JE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (ISIS-) ISIS PHARM INC.
    Fedon JC,
                                                                                             WPI; 1999-370907/31
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2000-146889/13
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              25-SEP-1998;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Homo sapiens
                        Black MT, 1
Stodola RK;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        01-FEB-2000.
Palmer LM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Bennett CF,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAZ89760;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        of breast cancer comprising detecting the presence or absence of one or more polymorphic variations associated with breast cancer in a nucleic acid sample from a subject. The method of the invention has cytostatic applications and may be useful for identifying a subject at risk of breast cancer, for early diagnosis, prevention and treatment of breast cancer, possibly via gene therapy, as well as to analyse and predict a response to a breast cancer treatment and in clinical drug trials. The current sequence is that of an Extend primer (also described as probe) of the invention which was used to genotype human Rho family guaninenucleotide exchange factor KIAA0861 gDNA which has been mapped to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The invention relates to a novel method for identifying a subject at risk
                                                                                                                                                                                                                                                                                                                      Identifying a subject at risk of breast cancer by detecting the presence of polymorphic variations in the ICAM, MAPKIO, KIAAO861, NUMAI or GALE regions which are associated with breast cancer in a nucleic acid sample
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RibA, 3,4-dihydroxy-2-butanone-4 phosphate synthase; antibiotic; cancer; GTP cyclohydrolase II; vaccine; immunological response; gastric ulcer; antimicrobial compound; Helicobacter pylori infection; gastritis; gastrointestinal carcinoma; therapy; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                                                                                                                                    Reneland
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PCR primer for S. pneumoniae ribA coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 17 BP; 5 A; 4 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                  Kammerer SM,
                                                                                                                                                                                                                                                                                                                                                                                                                                            Example 6; Page 99; 289pp; English.
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                                                                                                                                                                                                                                  Braun A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    127
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  111 CTTGGTACAATGGACCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 crrecracacreace
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                                                                                                                                                                                                                               Nelson MR,
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Gaps

Mouse; monoclonal antibody; methylotropic yeast; Pichia pastoris; expression cassette; antigen-specific; transformation; Ig; c-myc; immunoglobulin; Herz/neu; lymphoma; cloning; immunised; human; humanised; immunodiagnostic; immunotherapeutic; PCR primer; ss.

Pichia pastoris

Mus sp. Synthetic.

WO200023579-A1

Anti-mouse monoclonal antibody heavy chain gene PCR primer SEQ ID NO:3.

08-SEP-2000 (first entry)

Bb

DNA; 18

AAA39259 standard;

RESULT 344 AAA39259/c

gibbs026-3.rng

AAA39259;

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The invention relates to antisense phosphorothioate oligonucleotides with anti-infective, anti-inflammatory and cytostatic activity. The oligonucleotides are RIP-1 antisense inhibitors and are used in the diagnosis, prevention and treatment of conditions associated with RIP-1 expression. Conditions associated with RIP-1 expression, conditions associated with RIP-1 expression include various infections, inflammation and tumour formation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           This sequence represents an antisense oligonucleotide which binds to the coding region of human RIP-1. RIP-1 (also known as RalBP1 and RLIP) is a GTPase activating protein (GAP) thought to be a downstream target of Ral. The invention relates to antisense phosphorothhoate oligonucleotides with anti-infective, anti-inflammatory and cytostatic activity. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            oligonucleotides are RIP-1 antisense inhibitors and are used in the diagnosis, prevention and treatment of conditions associated with RIP-1 expression. Conditions associated with RIP-1 expression include various
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RIP-1; RalBP; RLIP; antisense inhibitor; anti-inflammatory; cytostatic; anti-infective; diagnose; prevent; treatment; tumour formation; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antimense inhibition of human RIP-1 expression, useful for diagnosing, preventing and treating conditions such as inflammation.
                                                                                                                                                                                                                      Gaps
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                                                                                                                                                                           Query Match 0.9%; Score 13.8; DB 1; Length 18; Best Local Similarity 88.2%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human RIP-1 antisense oligonucleotide ISIS# 23902
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 3 A; 9 C; 1 G; 5 T; 0 U; 0 Other;
                                                                                                                                      Sequence 18 BP; 4 A; 3 C; 7 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        expression. Conditions associated with Kir-i einfections, inflammation and tumour formation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Example 15; Col 27; 26pp; English.
                                                                                                                                                                                                                                                           362 GCACCATCTACCACATG 378
                                                                                                                                                                                                                                                                                                                                                                                                    AAZ89759 standard; DNA; 18 BP
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                                                                                                                                                                                                                                                                                        18 GCACCCTCTACTACATG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (ISIS-) ISIS PHARM INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                           RESULT 343
                                                                                                                                                                                                                                                                                                                                                                                 AAZ89759/
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The present invention describes a method (I) for producing intact antigen specific antibodies by transforming Pichia pastoris with mouse, humanised mouse or human immunoglobulin genes encoding heavy and light chains. The method is useful for the preparation of any kind of antibody and is suitable for large-scale production of human and other mammalian isolated from clinically and industrially important hybridomas producing antibodies to e.g. c-myc, Her2/neu, or lymphoma, or for cloning and expression of antibody genes from inmunised or non-immunised animals or humans. The recombinant antibodies produced by the method are useful for immunodiagnostic and immunotherapeutic purposes. Prior method that use prokaryotes in the production of antibodies are incapable of producing intact antibodies. The present method is capable of producing intact antibodies. The present method is capable of producing intact antibodies. The present method is capable of producing intact antibodies. Systems. The present sequence represents a PCR primer which is used in an example from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Large scale production of intact antigen-specific recombinant antibodies comprises transforming Pichia pastoris with mouse or human immunoglobulin genes encoding heavy and light chains.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 18 BP; 5 A; 6 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           / Match 0.9%; Score 13.8; DB 1; Local Similarity 88.2%; Pred. No. 1.6e+02; nes 15; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                     Ogunjimi AA, Chandler JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 5; Page 29; 50pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              464
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18 CTGCTGCAGTTGGACCT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AAZ73451 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                     (REGC ) UNIV CALIFORNIA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2000-339681/29.
                                                                                                                                                                                                                                                                                                                                                                                                                                     Choudary PV,
                                                                                                                                                                                                                                                                                                                                       21-OCT-1999;
                                                                                                                                                                                                                                                                                                                                                                       22-OCT-1998;
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ID AAZ734!
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AC AAZ734!
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Matches
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335 ATGAGCTGATGGAGGTG 351

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18 ATGAGCTGAGGGAAGTG

88.2%;

Local Similarity 88.2 nes 15; Conservative

Matches

Query Match

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diagnosis; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAZ6554 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ6579 to AAZ740 represent amplification primers for the biallelic markers. The biallelic markers of the invention primers for the biallelic markers. The biallelic markers of the invention primers for the biallelic markers. The biallelic markers of the invention con an area of the invention of the operation studies and haplotyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the differential efficacious responses to and side effects from pharmaceutical agents acting on a disease as well as other treatment.

When The SEQ ID NOS 2852, 2913, 2974, 3035, 3197, 3227, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel biallelic markers used to construct a high density disequilibrium
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human biallelic marker downstream amplification primer SEQ ID NO:11445.
                                          Human biallelic marker upstream amplification primer SEQ ID NO:7807.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                    Human genome, biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human genome; biallelic marker; high density disequilibrium map; genomic map; haplotype; phenotype; polymorphic base; genotyping; haplotyping; hybridisation; identification; characterisation; amplification; single nucleotide polymorphism; SNP; PCR primer;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 7 A; 2 C; 6 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 9; Page 1895; 2745pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAZ77089 standard; DNA; 18 BP
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  (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Cohen D, Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       nap of the human genome.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2000-013267/01
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (GEST ) GENSET
                                                                                                                                                                                   diagnosis; ss.
                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                        WO9954500-A2
                                                                                                                                                                                                                                                                                                                                                                 21-APR-1999;
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23-NOV-1998;
  10-SEP-2001
                                                                                                                                                                                                                                                                                                                    28-OCT-1999
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Matches
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AAZ77089/c
A STANDARD S
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AAZ65654 to AAZ69578 represent human biallelic markers from the present invention, which contain a polymorphic base at position 24 of their nucleotide sequences. AAZ69579 to AAZ7740 represent amplification primers for the biallelic markers. The biallelic markers of the invention have a variety of uses: they can be used for high density mapping of the human genome, and in complex association studies and hapbortyping studies which are useful in determining the genetic basis for disease states. Compositions and methods of the invention can also be useful for the identification of the targets for the development of pharmaceutical agents and diagnostic methods, as well as the characterisation of the pharmaceutical agents acting on a disease as well as other treatment. N.B. The SEQ ID NOS 2852, 2913, 2974, 3035, 3056, 3157, 327, 3297 and 3367, are not actually given a sequence in the Sequence Listing from the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel biallelic markers used to construct a high density disequilibrium
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 7 A; 4 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                       Chumakov I;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 9; Page 2670; 2745pp; English.
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98US-0109732P.
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Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                    Cohen D, Blumenfeld M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             map of the human genome
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present invention
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Homo sapiens.
                                                          WO9954500-A2
                                                                                                                                                                                   21-APR-1999;
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Example 3; Page 14; 36pp; English
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                                                                                                                                                 method for treating adrenoleukodystrophy comprises administering an which causes peroxisome proliferation.
                                                                                                                                                                                                                                                                                                                                           invention relates to a treatment for a patient with adrenoleukodystrophy. The treatment comprises administering an agent which causes peroxisome proliferation (e.g. 4-PBA). Peroxisome proliferation causes a reduction in the level of C24:0 or C26:0 fatty acids in the central nervous system of the patient. Adrenoleukodystrophy is associated with defective peroxisomal beta-oxidation of saturated long chain fatty acids. The methods are useful for treating a patient with adrenoleukodystrophy, and screening for candidate therapeutic agents for treating
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Methods for carrying out tissue specific gene recombination using gene transfer systems are used to generate transgenic animals which are used for screening test compounds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gene recombination, Cre recombinase, LOXP, post-mitotic target tissue;
chloxamphenicol actetyltransferase; PCR primer; CAT;
                                                                                                                                                                                                                                                          This sequence represents a PCR primer used to amplify the adrenoleukodystrophy gene. The PCR product is used in a method for testing the effect of 4-Phenyl butyrate (4-PBA) treatment on cells derived from patients with X-linked adrenoleukodystrophy (X-ALD). The
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Pred. No. 1.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Chloramphenicol acetyltransferase (CAT) PCR primer 2.
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                                                                                                                                                                                                                  Example 7; Page 23; 50pp; English.
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88.2%;
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                      SNINGO ) UNIV JOHNS HOPKINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAH75401 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   (SCHN/) SCHNEIDER M D. (OVER/) OVERBEEK P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       adrenoleukodystrophy
                                                                                                         WPI; 2000-292995/25
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(FREN/) FRENKEL P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             JS2001008026-A1
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The invention relates to a method for gene recombination in post-mitotic cells comprising using a gene transfer system, comprising a DNA sequence encoding a Cre recombinase and post-mitotic target tissue comprising target nucleic acids which have one or more site-specific recombination target sequences and introducing the gene transfer system to the target tissue where recombination occurs at one or more site-specific tracombination target sequences. The method provides tissue specific recombination. The present sequence is that of a PCR primer targeted to chloramphenicol acetyltransferase to confirm a Cre-mediated recombination event at inserted loxy sites
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                                                                                                                                                                                                                                                                                                                                               Seguence 18 BP; 6 A; 5 C; 4 G; 3 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.6e+02;
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88.2%; Pred. No. 1.6e+02;
tive 0; Mismatches 2;
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ABL89040/c
ID ABL89040 standard; DNA; 18 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes polynucleotides comprising single nucleotide polymorphisms (SNPs) in the human dopamine receptor D2 (DRD2). The polynucleotides may be used in assays to detect and characterise polymorphisms in DRD2 that affect its expression and activity and are involved in disorders such as schizophrenia, Parkinson's and myoclonus dystological information would be useful for studying the biological function of DRD2 as well as in identifying drugs targeting this protein for the treatment of disorders related to its abnormal expression or function. Polymorphisms in the DRD2 gene affect the expression of active and functional polypeptides. Therefore it is advantageous to detect polymorphisms in the DRD2 gene and how those polymorphisms are combined in different copies of the gene. AAF70261 to AAF70309 to AAF70404 represent human DRD2 allele specific oligonucleotide primers which are used in the detection of DRD2 polymorphisms. AAF70405
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    to AAF70452 represent oligonucleotide primers for the detection of human DRD2 polymorphisms which are given in the exemplification of the present invention. AAF70453 to AAF70453 represent PCR primers for the human DRD2 gene which are used in examples from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Polymucleotides comprising single nucleotide polymorphisms in the human dopamine receptor D2, useful for detecting mutations associated with, e.g. schizophrenia, Parkinson's and myoclonus dystonia.
                                                                                                                                                                                          Human; dopamine receptor D2; DRD2; polymorphism; allele specific; drug target isogene; detection; single nucleotide polymorphism; SNP; genotype; schizophrenia; Parkinson's disease; myoclonus dystonia; MD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Score 13.8; DB 1; Length 18;
Pred. No. 1.6e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                             Stephens JC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 18 BP; 3 A; 8 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                   Human DRD2 fragment 14 PCR primer SEQ ID NO:280.
                                                                                                                                                                                                                                                                                                                                                                                                                             Duda A, Nandabalan K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 1B; Page 43; 135pp; English.
  GGCCACCTCTGTCTTCC 18
                                                                                                                                                                                                                                                                                                                                                                                                   (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                              19-JUL-2000; 2000WO-US019644.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%;
                                                                                                                                                                                                                                                                                                                                                                          99US-0144493P.
                                                                                    AAF70537 standard; DNA; 18
                                                                                                                                        (first entry)
                                                                                                                                                                                                                                     probe; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2001-091967/10.
                                                                                                                                                                                                                                                                                                                                                                                                                              Denton RR,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                          WO200105832-A1
                                                                                                                                                                                                                                                                Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                         19-JUL-1999;
                                                                                                                                          20-APR-2001
                                                                                                                                                                                                                                                                                                                    25-JAN-2001
                                                                                                               AAF70537;
                                                                                                                                                                                                                                                                                                                                                                                                                              Chew A,
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The present invention describes a collection of binding groups for a family of nucleic acids comprising members of relative high and relative low significance, where the binding groups are selected to be capable to identify, alone or in combination, essentially all members of the family of nucleic acids of relatively high significance. The collection of binding groups is useful for typing of nucleic acid in a clinical sample, by contacting the nucleic acid with the collection and determining whether one or more binding groups bound to the nucleic acid of the sample. This method is useful for determining whether the sample comprises at least a part of a member of relatively high significance of a family of nucleic acids. The collection of binding groups is useful for diagnosing the severity of a disease caused by a pathogen containing a member of a family of nucleic acids. ABL88779 to ABL89321 represent oligonucleotide sequences used in the exemplification of the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Collection of binding groups for determining or typing samples, especially clinical samples, has groups capable to identify essentially all members of the family of nucleic acids of relatively high
                                                             HIV-1 related binding molecule oligonucleotide sequence SEQ ID NO:262.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
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                                                                                                                           Binding molecule, HIV-1; human immunodeficiency virus type 1; reverse transcriptase; binding group; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1.6e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 18 BP; 6 A; 6 C; 4 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (AMST-) AMSTERDAM SUPPORT DIAGNOSTICS BV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Goudsmit J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Page 70; 166pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human genotyping PCR primer #171.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1262 TAGCCATGCTGGGTGTG 1278
                                                                                                                                                                                                                              Human immunodeficiency virus 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rasccerscracionarians 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Van Gemen B,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABS61018 standard; DNA; 18
22-MAY-2002 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 05-NOV-2002 (first entry)
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Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 2002-156696/21.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                significance.
                                                                                                                                                                                                                                                                                                                                 EP1174518-A1
                                                                                                                                                                                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              invention
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ID ABS610
XX
XX ABS610
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DT 05-NOV
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Gaps ; 0

1073 TCCTCCATTGCTGGCTC 1089

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15; Conservative

Best Loca Matches

18

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RESULT 351

Human; ss; aminopeptidase P; XPNEP2; bradykinin receptor B1; primer; BDKRB1; tachykinin receptor B1; TACR1; C1 esterase inhibitor; C1NH; kallikrein 1; KLKI; bradykinin receptor B2; BDKRB2; gene therapy; angiotensin converting enzyme 2; ACE2; protease inhibitor 4; P14; polymorphism; haemangioma; tumour; sarcoma; Crohn's disease; trachoma; cardiovascular disease; angina pectoris; hypertronain; heart failure; myocardial infarction; ventricular hypertrophy; vascular disease; an arterioscarios; exherosclerosis; proterrophy; vascular disease; andiotedama; arteriosclerosis; atherosclerosis; hypersenativity; sepsis; PCR; autoimmune disease; inflammatory arthritis; cancer; wound; genotyping; viral infection; bacterial infection; fungal infection; COPD; chronic obstructive pulmonary disease; enterocolitis.

Homo sapiens.

WO200261131-A2

08-AUG-2002

03-DEC-2001; 2001WO-US047235.

04-DEC-2000, 2000US-0251015P. 23-JAN-2001, 2001US-0263678P. 02-MAR-2001, 2001US-0273037P.

(BRIM ) BRISTOL-MYERS SQUIBB CO. TSUC/) TSUCHIHASHI Z. (HUIL/) HUI L.

Perrone MH; Ma-Edmonds M, Zerba KE, Tsuchihashi Z, Hui L, Swanson BN, Powell JR;

WPI; 2002-619265/66

New isolated nucleic acid with at least one polymorphic position, useful for detecting, diagnosing and treating disorders such as angioedema, cancer, viral, bacterial or fungal infection, cardiovascular and autoimmune diseases.

Example 3; Page 916; 977pp; English.

The invention relates to an isolated nucleic acid from a human gene encoding aminopeptidase P (XPNEP2), bradykinin receptor B1 (RDKB1), cleaterase inhibitor (CLNH), kallikrain (achidibitor to tachykinin receptor B2 (BDKB2), angiotensin converting enzyme 1 (KLK1), bradykinin receptor B2 (BDKB2), angiotensin converting enzyme c2 (ACE2) or protease inhibitor 4 (P14), comprising at least one polymorphic position as provided in the detailed summary of single nucleotide polymorphisms comprising additional 5' and 3' flanking genomic obtaining the sample from one or more individuals and determining the nucleic acid sequence at one or more individuals and determining the nucleic acid sequence at one or more polymorphic positions in a gene encoding a protein selected from the group above; (3) constructing (M2) haplotypes using the genes comprising grouping at least two nucleic acids of the polymorphic data; (5) a library of mucleic acids, each of which capting the polymorphic data; (5) a library of mucleic acids, each of which comprises one or more polymorphic positions within a gene encoding a human protein selected from the group above; and (6) genotyping (M4) and individual comprising obtaining a nucleic acid sample, determining the lindividual comprising obtaining a nucleic acid sample, determining the last one position with a known data set. The genes, (M1, M2, M3 and M4) and compositions are useful for detecting, diagnosing, treating, incline and composition and like hasement in a regardance the present and diseases which inclines are useful for detecting, diagnosing, treating, incline and comparing the problems and the properse. artery disease, arteriosclerosis and/or atherosclerosis, and hypersensitivity reactions, sepsis, autoimmune diseases, inflammatory arthrities, cancer, wounds, viral, bacterial or fungal infection, Chronic obstructive pulmonary disease (COPD) and enterocolitis (many other diseases and disorders are listed in the specification). The involve angiogenesis like haemangiomas, tumours, sarcomas, Crohn's dateases, trachomas, and cardiovascular diseases like angina pectoris, hypertension, heart failure, myocardial infarction, ventricular hypertrophy, vascular diseases, aneurysm, embolism, thrombosis, coronary

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like 4, useful for modulating expression of the nucleic acid and treating
diseases associated with expression of the nucleic acid in humans.
polynucleotides are also useful for chromosome identification. Antibodies against the proteins may be utilised for immunophenotyping of cell lines and biological samples. The present sequence is a genotyping PCR primer for the gene encoding one of the proteins listed above
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 of cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human, RecQ protein-like 4; RECQL4; PCR; 88; chromosome 8q24; infection; inflammation; tumour formation; cancer; cytostatic; antiinflammatory;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a compound targeted to specific nucleobases of RecQ protein-like 4 (RECQL4) and which hybridises and inhibite the expression of RECQL4. The compound is useful for inhibiting the expression of RECQL4 in cells or tissues and for treating an animal, particularly a human suspected of having or being prone to a disease or condition associated with expression of RECQL4. The compound is useful for diagnostics, therapeutics and as a research reagent, e.g. prophylactically to prevent or delay infection, inflammation or tumour formation. This sequence represents a PCR primer used in analysis of cDN encoding human RECQL4
                                                                                                                                                                  Gaps
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                                                                                                                            Length 18;
                                                                                                                            Query Match 0.9%; Score 13.8; DB 1; Length 1: Best Local Similarity 88.2%; Pred. No. 1.6e+02; Matches 15; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                             Human RecQ protein-like 4 (RECQL4) DNA PCR primer #2.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 18 BP; 1 A; 7 C; 4 G; 6 T; 0 U; 0 Other;
                                                                                           Sequence 18 BP; 4 A; 7 C; 5 G; 2 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      antimicrobial; antisense therapy; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Example 13; Col 43; 45pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 683 CCCGTTGTGTCCTGGTC 699
                                                                                                                                                                                                    509 GGGTGCCCATGTTTCTG 525
                                                                                                                                                                                                                                                                                                                                  ABS68853 standard; DNA; 18 BP
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                                                                                                                                                                                                                                     18 GGGTGCCCATGATGCTG 2
                                                                                                                                                                                                                                                                                                                                                                                                           (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
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RESULT 354

ADG89548,

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Novel antisense compound useful for treating diseases associated with Cyclin D2 expression, comprises an oligonucleotide comprising up to 50 nucleobases in length, which inhibits expression of Cyclin D2 in cells or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention describes a compound (I) of up to 50 nucleobases in length, which inhibits the expression of Cyclin D2. (I) is useful for inhibiting the expression of Cyclin D2 in cells or tissues in vitro. (I) is thus useful for treating disease associated with Cyclin D2 expression. (I) is useful for diagnostics, therapeutics, prophylaxis and as research reagents and kits. This sequence represents human cyclin D2 inhibition associated oligonucleotide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 human; gene therapy; diagnostic marker; pharmaceutical; ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 13.8; DB 1; Length 18; llarity 88.2%; Pred. No. 1.6e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 6 A; 1 C; 10 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Col 45-46; 40pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      258
                                                                                                                         01-AUG-2001; 2001US-00920760.
                                                                                                                                                                                   01-AUG-2001; 2001US-00920760.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   242 CTCTGCCCCCACCTCCC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADM06663 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       (first entry)
                                                                                                                                                                                                                                                (ISIS-) ISIS PHARM INC
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Seki N, Yoshikawa T,
                                                                                                                                                                                                                                                                                                                                                                    WPI; 2003-361492/34.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Local Similarity
wes 15; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              tissues in vitro.
US6492173-B1
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                                                            10-DEC-2002
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                                                                                                                                                                                                                                                                                                             Cowsert LM;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADM06663;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 356
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ADM06663
8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      HANGE STATE OF THE STATE OF THE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
                                                                                                                                                                                                                                                                                                                                human; matrilin-3; osteopathic; gene therapy; osteoarthritis; MATN3; EGF;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to a novel nucleic acid molecule comprising a matrilin-3 gene, or its fragment or variant, a sequence of 137870 bp fully defined in the specification, and at least one polymorphism given in the specification. A protein of the invention has osteopathic activity. A polynucleotide of the invention may have a use in gene therapy. The composition and methods of the invention are useful in diagnosing, prognosition and methods of the invention are useful in the matrilin-3 gene. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New nucleic acid molecule for diagnosing, prognosing or treating osteoarthritis comprises a matrilin-3 gene or its fragment or variant, and at least one polymorphism.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Antisense inhibition of human cyclin D2 related oligonucleotide #9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.8; DB 1; Length 18; llarity 88.2%; Pred. No. 1.6e+02; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2; Indels
                                                                                                                                                                                                                                                                   Human matrilin-3 PCR primer REMAT3.7E.F SEQ ID NO:123
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 18 BP; 5 A; 7 C; 5 G; 1 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; SEQ ID NO 123; 190pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1186 GTGGTGGTCCATGACTG 1202
                                                                             ADG89548 standard; DNA; 18 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           23-JAN-2003; 2003WO-IB000342
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     25-JAN-2002; 2002US-0453705P.
05-DEC-2002; 2002US-0431538P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACA60572 standard; DNA; 18
                                                                                                                                                                                                      (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (DECO-) DECODE GENETICS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2003-646073/61.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Local Similarity
es 15; Conserv
                                                                                                                                                                                                                                                                                                                                                             ss; PCR; primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WO2003062469-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Stefansson SE;
                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
                                                                                                                                                                                                      11-MAR-2004
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              31-JUL-2003
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Best Local Si
Matches 15;
                                                                                                                                             ADG89548
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Gaps

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Otsuki T, Wakamatsu A, Sato H, Ishii S;
Hio Y, Otsuka K, Nagai K, Irie R, Tamechika I;
Otsuka M, Nagahari K, Masuho Y;
                                                                                                                                                                                                                                 for
                                                                                                                                                                                                                      New polynucleotides and polypeptides are useful in gene therapy, developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy.
                                                                                                                                                   WPI; 2003-723558/69.
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Human; cyclin D2; diagnostic; therapeutic; prophylaxis; cyclin 2 inhibition; 88.

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RESULT 355 ACA60572/c

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                                                  The invention relates to a novel human polynucleotide and the encoded polypeptide. A polynucleotide of the invention may have a use in gene therapy. An oligonucleotide of the invention ADM06202-ADM06773 is useful as a primer for synthesizing the polynucleotide or as a probe for detecting the polynucleotide. The polynucleotide ADM01316-ADM03758 are useful in gene therapy, for developing a diagnostic marker or medicines for regulating their expression and activity, or as a target of gene therapy. The proteins ADM03759-ADM06201 encoded by the polynucleotides are useful as pharmaceutical agents. The present sequence represents an oligonucleotide used in the invention.
                                                                                                                                                                                                                                                                                                                                                      Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Use of anti-vascular endothelial growth factor receptor 1 (VEGFR 1) antibody to treat or prevent obesity.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       body fat; vascular endothelial growth factor receptor 1; VEGFR 1; Anorectic; Antianglogenic; angiogenesis; preadipocytes; primer; ss
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                                                                                                                                                                                                                                                                                                         0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1.6e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                        Sequence 18 BP; 3 A; 3 C; 7 G; 5 T; 0 U; 0 Other;
                  Example 8; SEQ ID NO 5348; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure, SEQ ID NO 11; 61pp; English
                                                                                                                                                                                                                                                                                                                                                                                            767 GTGCCAGACGAGGTGAG 783
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                   2 GTGCCTGACTAGGTGAG 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             27-JUN-2002; 2002US-0392463P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Primer of the invention #11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADH35262 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                GEHO ) GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                                                                                 Best Local Similarity 88.2
Matches 15, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Fukumura D;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WO2004002427-A2
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Synthetic.
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Sequence 18 BP; 1 A; 7 C; 5 G; 5 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The invention relates to a capture oligonucleotide composition comprising an hepatitis B virus (HBV)-complementary sequence polymucleotide immobilised to a solid support. The composition is useful for detecting nucleic acids of HBV and/of HTV-1 and/or HCV in biological sample such as blood, serum, plasma or other body fluid or tissue to be tested. The composition can be used either in diagnostic application or for screening donated blood and that products or other rissues that may contain infectious particles. The composition facilitates detection of very low levels of HBV nucleic acids. The composition allows selective detection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Capture oligonucleotide composition useful for detection of hepatitis B virus (HBV), comprising polynucleotide having HBV-complementary sequence which is immobilized on solid support.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      of nucleic acids of HBV and/or HIV and/or HCV. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     capture oligonucleotide; HBV; HIV-1; HCV; donated blood screening;
                                                                    Сарв
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Gaps
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      Length 18;
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                                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Yoshimura
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2, Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 13.8; DB 1;
Pred. No. 1.6e+02;
0; Mismatches 2;
   Score 13.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Getman DK,
                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 18; SEQ ID NO 51; 112pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Linnen JM, Kolk DP, Dockter JM,
Ho-Sing-Loy M, Stringfellow LA;
                                                                                                                                     1084 TGGCTCAACGCCTTTGC 1100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1041 CATCTTCATGCTGCTGC 1057
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0.9%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14-JUN-2002; 2002US-0389393P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 0.9%;
Best Local Similarity 88.2%;
Matches 15; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                    ADJ53657 standard; RNA; 18
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      06-MAY-2004 (first entry)
      Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (GENP-) GEN-PROBE INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2004-082210/08.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hepatitis B virus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WO2003106714-A1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    4BV probe #2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                                                     ADJ53657;
                                                                                                                                                                                                                                                                                         RESULT 358
ADJ53657/C
ADJ5367/C
ADJ5367
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ID ADO4
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4 synthesis-period of neuroblastoma related primer, SEQ ID 819. Human; 4 synthesis-period; neuroblastoma; stage 4S; primer; ss.

29-JUL-2004 (first entry)

ADO16557;

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examination of the expression of VEGF and other angiogenesis-related adipose tissue of mice. A complex relationship between adipose tissue of mice. A complex relationship between adipose tissue formation or majogenesis and vessel remodelling has been identified. The invention provides methods and compositions for promoting blood vessels in damaged, diseased or transplanted organs, and for producing functional microvascular networks useful in tissue engineering. A method is provided for inducing an immature blood vessel network, or establishment of a functional blood vessel to majorimetring blood vessel remodeling, stabilisation of an immature blood vessel network, lor engineering blood vessel a human. The method involves administering preadlocytes, adipocytes, perivascular cells, vascular smooth muscle cells, mesenchymal precursor cells, mesenchymal cells and fibroblasts, or stem cells that differentiate into these cell types, to a tissue or organ. The method is useful for treating various diseases or disorders e.g. by transplantation of insular transplantation of organ producing thyroid hopping adipocytes, mesenchymal cells is adipocytes, mesenchymal cells for treating endorine transplantation of organ producing thyroid hopping for treating endorine transplantation of organ producing thyroid hopping for treating endorine transplantation of organ producing thyroid hopping for treating endorine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               candidate compound that induce or prevent angiogenesis or vasculogenesis.
                                                                                                                                 Vascular endothelial growth factor; VEGF; blood vessel; angiogenesis; vasculogenesis; transplant; tissue engineering; mouse; PCR; primer; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present sequence is that of an antisense PCR primer for the murine
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       related disorders and transplantation of engineered bone for treating arthritis, cancer, congenital defects of bone or cartilage and trauma. The engineered blood vessel, tissue or organ is useful for screening
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Inducing or increasing blood vessel formation or engineering blood vessels in tissue or organ of mammal, by administering cells e.g. preadipocyte, adipocyte not having genetic modification, fibroblast tissue or organ of mammal in need.
                                                                                      Vascular endothelial growth factor antisense PCR primer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 18 BP; 1 A; 7 C; 5 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; SEQ ID NO 11; 100pp; English.
                                                                                                                                                                                                                                                                                                                                                30-OCT-2003; 2003WO-US034838.
                                                                                                                                                                                                                                                                                                                                                                                              31-OCT-2002; 2002US-0422709P.
                                           (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                         (GEHO ) GEN HOSPITAL CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Fukumura D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    WPI; 2004-376029/35
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                                           29-JUL-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Jain RK,
ADO43211;
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Score 13.8; DB 1; Length 18; Pred. No. 1.6e+02; 0; Mismatches 2; Indels
                                                1084 TGGCTCAACGCCTTTGC 1100
   0.9%;
                          Conservative
              Local Similarity
ses 15; Conserv
   Query Match
                          Matches
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16-DEC-2003; 2003WO-DK000882. L7-DEC-2002; 2002DK-00001928

(NOVO ) NOVOZYMES AS

ADO16557 standard; DNA; 18 BP. RESULT 360 AD016557 ID AD01

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                             Novel nucleic acid obtained from 4 synthesis-period of neuroblastoma cells useful for prognosing and determining progress stage of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Rhizomucor pusillus alpha-amylase AM782 PCR primer AM298-CDSF
                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 13.8; DB 1; Length 18; 88.2%; Pred. No. 1.6e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Alpha-amylase; thermostable; enzyme; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 18 BP; 2 A; 7 C; 4 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                           Claim 8; SEQ ID NO 819; 455pp; Japanese.
                                                                                                                                                                                                                  (HISM ) HISAMITSU PHARM CO LTD. (CHIB-) CHIBA PREFECTURE.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        806
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17
                                                                                                                                                                    30-OCT-2003; 2003WO-JP013932.
                                                                                                                                                                                            30-OCT-2002; 2002JP-00316586.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       790 CAGGCCCCCAGTTTCTC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADQ26322 standard; DNA; 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              CGGGCCACCAGITICIC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 23-SEP-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 0.9
Best Local Similarity 88.2
Matches 15; Conservative
                                                                                                                                                                                                                                                    Ohira M;
                                                                                                                                                                                                                                                                        WPI; 2004-390323/36.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Rhizomucor pusillus
                                                                                                                         WO2004039975-A1.
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                                                                                                                                                                                                                                                                                                                     neuroblastomas.
                                                                                                                                                                                                                                                   Nakagawara A,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                01-JUL-2004.
                                                                                                                                               13-MAY-2004
                                                                                                   Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADQ26322;
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AAS98771;
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                                                                                                              The present sequence is that of PCR primer AM298-CDSF, which is based on the previously determined amylase gene of Rhizomucor pusillus strain NN101459. AM298-CDSF was used with primer AM298-CDSR AD026323 for the PCR amplification of the alpha-amylase AM782 gene from Rhizomucor pusillus NN046782. A plasmid encoding alpha-amylase AM782 has been transformed into a strain of Escherichia coli DH10B and deposited as DSM 15334. Characterisation of amylase AM782 has shown it to be a highly thermoacidophilic alpha-amylase. It can work at temperatures up to at least 70 degrees C. It also has a very fast reaction speed; when compared at the same dosage with Fungamyl TM3 800 L, the amylase AM782 achieved in about 3 hours hat Fungamyl (24) achieved in 24-48 hours. Amylase AM782
                                                                                                                                                                                                                                                 degrades DP3 into DP2 and DP1. The amplase can be produced by recombinant DNA methods and used for: producing an enzymatically modified starch derivative, desizing textile; bready alcohol production, production of dough products; starch liquefaction and/or saccharification; high maltose
                                          Isolated polynuclectide for, e.g. or making nucleic acid construct used in recombinant expression vector and host cell comprises open reading frame encoding polypeptide.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Semaphorin; DCSema; human; inflammatory disease; VESPR; interleukin-12;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          IL-12; immune response; aggressive micrometastasising tumour; therapy;
Immune suppression; autoimmune disorder; semaphorin receptor;
Immune regulation; viral infection; PCR primer; ss.
                                                                                                                                                                                                                                                                                                                                                                          Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Novel neurologic regulator polypeptide for treating inflammatory diseases, autoimmune disorders, etc.,,
                                                                                                                                                                                                                                                                                                                                                                          ..
0
                                                                                                                                                                                                                                                                                                                                                   Length 18;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PCR primer for human semaphorin, DCSema, coding sequence.
                                                                                                                                                                                                                                                                                                                                                                          Indels
                                                                                                                                                                                                                                                                                                                           Sequence 18 BP; 7 A; 3 C; 2 G; 6 T; 0 U; 0 Other
                                                                                                                                                                                                                                                                                                                                                 Score 13.8; DB 1;
Pred. No. 1.6e+02;
                                                                                                                                                                                                                                                                                                                                                                          0; Mismatches
                                                                                                                                                                                                                                                                                                    syrup production; and baking (claimed).
Johannesen PF;
                                                                                            Example 2; SEQ ID NO 1; 58pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                  1375 ATGTTGAACTTCATGAT 1391
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Bb
                                                                                                                                                                                                                                                                                                                                                 0.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.27
Local Similarity 88.27
Local Similarity 80.27
Duan J,
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                      WPI; 2004-500214/47
WU W.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Homo sapiens.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Synthetic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAZ40168;
 Tang L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT 362
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                                                               This sequence represents a PCR primer for DNA encoding the human semaphorin protein, designated DCSema, of the invention. DCSema is used for treating inflammatory diseases. DCSema ligands bind with VESPR to enhance or promote interleukin-12 (II-12) production which induces an immune response against aggressive micrometastasising tumours. They are associated with immune suppression of mature dendritic cells and therefore can be used for treating autoimmune disorders. They can be employed to measure biological activity of any semaphorin receptor in detecting semaphorin receptor by in vitro assays. DCSema polypeptides are used as reagents in quality assurance studies (to monitor shelf life and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      stability of semaphorin receptor under different conditions). They are also used as a research tool for studying the role of this ligand and its receptor in immune regulation and are also used as carriers for delivering diagnostic or therapeutic agents to cells expressing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Novel polymorphic variants of colony stimulating factor 1 receptor useful in studying expression and function of the protein, useful for screening candidate drugs to treat diseases e.g. inflammatory disorders.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               comprising a
sequence for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Colony stimulating factor 1 receptor; CSFIR; polymorphic variant; cytostatic; gene therapy; malignant histicoytosis; 1sogene; myeloid malignancy; inflammarcry disorder; transgenic animal; haplotype; genotype; human; allele specific oligonucleotide; ASO; primer; 88.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       semaphorin receptor. They are shown to play a role as immune regulators
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention describes a novel isolated polynucleotide (I) comprising sequence which is a polymorphic variant (PV) of a reference sequence foolony stimulating factor I receptor (CSFIR) gene, found on The polypeptide are useful for improving the discovery and development of drugs for treating diseases associated with CSFIR activity, e.g.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gapa
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      DB 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  0.9%; Score 13.8; DB 1;
88.2%; Pred. No. 1.9e+02;
rative 0; Mismatches 2
Example 1; Page 20; 41pp; English.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      581
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nes 15; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  WPI; 2002-075058/10.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     in viral infection
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maingnant nistrocycosis, myeloid malignancies, and inflammatory discorders and the haplotypes can be used to validate CSFIR as a candidate target for treating a specific condition or disease predicted to be associated to be used in developing disgnostic tests and therapeutic treatments. (I) is useful in studying the expression and function of CSFIR, and in constraints of the variation on the biological activity of CSFIR, and in studying the expression and function of CSFIR, and in the variation on the biological activity and in studying the effect of the variation on the biological activity of CSFIR, Antibodies are useful in a variety of diagnostic and prognostic formats and therapeutic methods. A transgenic animal is useful in studying expression of the CSFIR isogenes in vivo, for in vivo screening and testing of drugs targeted against CSFIR protein, and for testing the efficacy of the cargetic agents and compounds. Allele specific oligonucleotides (ASO) are useful as probes and primers, and for assaying a polymorphism in the target region. Without requiring any apriori knowledge of the phenotypic effect of any particular CSFIR or haplotype the invention provides a method for identifying lead compounds that are more likely to show cefficacy in clinical trials. This sequence is an allele specific oligonucleotide primer used for detecting CSFIR gene polymorphisms, coligonucleotide primer used for detecting CSFIR gene polymorphisms,
malignant histiocytosis, myeloid malignancies, and inflammatory disorders
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0.9%; Score 13.6; DB 1; Length 15; 2.9%; Pred. No. 1.3e+02; ve 1; Mismatches 0; Indels Query Match 0.9%; Best Local Similarity 92.9%; Matches 13; Conservative 969 TGCCAACATGAGCC 982 2 receaheareare 15 ò a

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Gaps

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Murine oligonucleotide associated with tumour supression, SEQ ID 1929. ACC64682 standard; DNA; 17 BP. (first entry) 01-JUL-2003 ACC64682; RESULT 364 ACC64682 

Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine; tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; ss

Mus musculus.

WO2003025176-A2

27-MAR-2003.

17-SEP-2002; 2002WO-IB004210.

17-SEP-2001; 2001FR-00011979.

Tuijnder M; (MOLE-) MOLECULAR ENGINES LAB Telerman A, Amson R,

WPI; 2003-333167/31.

New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.

Disclosure; Page 256; 738pp; French.

The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour

RESULT 366 AAT50174/c

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reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene chip; in vitro as (anti)sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The sequences given in AAQ28685-92 are oligonucleotides derived from Erwinia carotovora which can be used to target the pectinase- production related gene, pelA (pectate lyase gene). The oligonuleotides are complementary to the pelA gene. These oligonucleotides can be used to detect foreign genes in transformed vegetables. (Updated on 24-OCT-2003 to standardise OS field)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Oligo:nucleotide for detecting transformant of vegetable - coded by Erwinia carotovora, and targets pectinase-prodn. related gene pectate
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                                                                                                                                                                                  0.9%; Score 13.6; DB 1; Length 17; 92.9%; Pred. No. 1.6e+02; ative 1; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Pectinase; pectate lyase; transformed vegetables; ss.
                                                                                                                                                   Sequence 17 BP; 1 A; 4 C; 2 G; 9 T; 0 U; 1 Other;
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                                                                                                                                                                                                                                                                                                                                                                     AAQ28689 standard; DNA; 15 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Pectobacterium carotovorum.
                                                                                                                                                                                                                                                                                                                                                                                                                                       (revised)
(first entry)
                                                                                                                                                                                                                     13; Conservative
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                                                                                                                                                                                                   Local Similarity
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19-FEB-1993
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                                                                                                                                                                                    Query Match
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Human; ml acetylcholine receptor; CHRM1; immunogen; antibody; Alzheimer's disease; dementia with Lewy bodies; DLB; allele specific oligonucleotide probe; ss.

Stephena JC;

Nandabalan K,

Choi JY, Denton RR, WPI; 2001-282046/29.

(GENA-) GENAISSANCE PHARM INC.

12-OCT-2000; 2000WO-US028211.

WO200127312-A2

19-APR-2001

99US-0159269P.

13-OCT-1999;

Human CHMR1 allele specific oligonucleotide probe #1.

(first entry)

29-AUG-2001

AAS02509

BP.

AAS02509 standard; DNA; 15

RESULT 367 AAS02509/c

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AAT50138-T50359 represent target sequences for the rabbit cholesterol ester transfer protein (CETP) hammerhead (HH) ribozymes (see AAT50360-750540). CETP is a 74 KD glycoprotein that facilitates neutral lipid transfer between plasma lipoproteins. The numbering of the targets refers to the position of the cleavage site in full length CETP. The ribozymes are able to cleave mRNA from the gene encoding CETP, thereby blocking synthesis and/or expression of the mRNA. By inhibiting CETP, the reverse cholesterol transport (RCT) pathway can be inhibited (or eliminated) thereby preventing the reduction in size density of the high density lipoproteins (HDL) prolonging HDL half life, and therefore increasing HDL levels. The ribozymes can be used to treat conditions associated with abnormal levels of CETP, specifically atherosolarosis is familial. The ribozymes can be used to treat conditions associated with apperchalesterolaemia, pripheral vascular disease, dyslipidaemia, hyposlphalipoproteinaemia, vascular complications of diabetes, transplant, atherectory and angioplastic restenosis. By inhibiting CETP, the levels of HDL and low density lectenosis. By inhibiting CETP, the levels of HDL and low density and extenses in LDL levels, and a corresponding increase in HDL levels. The HT ribozymes can also be used diagnostically to study genetic drift and mutations in diseased cells, and to detect CETP mRNA. As the HH ribozymes transplant, they have low non-specific
                                                                                                                                                                             Hammerhead ribozyme; cholesterol ester transfer protein; mRNA cleavage; neutral lipid transfer; plasma lipoprotein; atherosclerosis; atherectomy; reverse cholesterol transport; high density lipoprotein; therapy; CETP; familial hypercholesterolaemia; dyslipidaemia; hypoalphalipoproteinaemia; peripheral vascular disease; hyperbetalipoproteinaemia; RCT; inhibitor; angioplastic restenosis; low density lipoprotein; diabetes; HDL; rabbit;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New ribozyme(s) for cleaving cholesterol ester transfer protein mRNA -
useful for preventing or treating initial development, progression or
regression of vascular diseases, esp. familial hypercholesterolaemia.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 13.4; DB 1; Length 15; Best Local Similarity 93.3%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Bisgaier C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 15 BP; 1 A; 6 C; 4 G; 0 T; 4 U; 0 Other;
                                                                                                                                  Rabbit CETP HH ribozyme target sequence #156.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Couture L, Stinchcomb D, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Claim 4; Page 40; 72pp; English.
  ВР
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AATS0174 standard; RNA; 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RIBO-) RIBOZYME PHARM INC
                                                                                      (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WARN ) WARNER LAMBERT CO.
                                                                                                                                                                                                                                                                                                                                                                 Oryctolagus cuniculus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 1996-321852/32.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              23-DEC-1994;
                                                                                                                                                                                                                                                                                                                                                                                                        WO9620279-A1
                                                                                        07-MAR-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                     04-JUL-1996
                                              AAT50174;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Best Local
Matches
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The sequence represents an allele specific oligonucleotide probe for acceptory duals using the Human gene encoding the mi muscarinic acctylcholine receptor, CHMRI. CHMRI is one subtype of a family of 5 genetically distinct muscarinic acctylcholine receptors, mAChR, that play important roles in higher brain function such as learning and memory. The protein is a possible drug target for treatments for Albreimer's disease and antibodies raised against the protein are useful for diagnosing and expression of the gene or activity of the protein, e.g. Alzheimer's description disease and dementia with Lewy bodies
                                                                                                                                                                                                                                                                                                                                                                                                                                New variants of the ml muscarinic acetylcholine receptor gene, useful to find treatment for Alzheimer's and dementia, have single nucleotide variations at one or more of five polymorphic sites.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Antisense therapy; antiproliferative; antiinflammatory; antipsorfatic; cytostatic; dermatological; cardiant; virucide; ophthalmological; keloid; skin disorder; Insulin-like Growth Factor 1 receptor; IGF-1; pityriasis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Ouery Match 0.9%; Score 13.4; DB 1; Length 15; Best Local Similarity 93.3%; Pred. No. 1.4e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 15 BP; 2 A; 4 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 15; Page 18; 52pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1290 CGCAGTGGCCCATGA 1304
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAF46796 standard; DNA; 15 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IGFBP3 oligonucleotide #216.
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Gaps

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Indels

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654 GGCCGTGGAGCATCA 668

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27-MAR-2002

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      skin disorders. The method comprises contacting the skin will an antisense oligonucleotide, (for Insulin-like Growth Factor [IGF]-1 receptor, IGF binding protein [IGFBP]-2 or IGFBP3), which is capable of inhibiting or reducing growth factor mediated cell proliferation, inflammation and/or other disorders. The present sequence is an oligonucleotide which can be used to design the antisense oligonucleotides of the present invention (see AAF45151 and AAF45153-F45161). The method is useful for ameliorating the effects of psoriasis, ichthyosis, pityriasis, ruba, pilaris, serborrhoea, keloids, keratosis, incoplasias, scleroderma, warts, benign growths, cancers of the skin, a hyperneovascular condition such as a neovascular condition of the retina, brain or skin, growth factor-mediated malignancies, other sclerotic disease, kidney disease, hyperproliferation of the inside of blood
                                      growth factor mediated cell proliferation; ichthyosis; serborrhoea; ruba; keratosis; neoplasia; scleroderma; wart; skin cancer; sclerotic disease; hyperneovascular condition; hyperplasia; kidney disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The present invention relates to a method for ameliorating the effects of
   IGF binding protein; IGFBP-2; IGFBP3; inflammation; psoriasis; pilaris;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 15 BP; 0 A; 5 C; 7 G; 3 T; 0 U; 0 Other;
                                                                                                                                                    neovascular condition of the retina; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Edmondson SR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (MURD-) MURDOCH CHILDRENS RES INST.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Example 7; Page 45; 201pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   vessels or any other hyperplasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Werther GA,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2001-041421/05
                                                                                                                                                                                                                                                                                              WO200078341-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-JUN-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 inflammation.
                                                                                                                                                                                                                             Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                       28-DEC-2000
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAL45929;
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NAME OF THE PROPERTY OF THE PR
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EP1191097-A1

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                                                                                                                                                                                                                             Decreasing the production of an aberrant protein in a cell, for treatmen of inherited diseases such as Duchenne Muscular Dystrophy or Hemophilia, comprises a splice modulation therapy of exons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              cytostatic; platelet-derived growth factor receptor; PDGF-R; cancer;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              carcinoma; sarcoma; osteosarcoma; glioma; melanoma; myxoma; adenoma; neuroblastoma; rhabdomyoma-derived cell; fibrotic disorders; myeloproliferative disease; blood vessel proliferative disease;
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                                                                                                                                                 Dauwerse JG;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                Den Dunnen JT,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 15 BP; 1 A; 7 C; 2 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mismatches
                                                                                                                                                Van Ommen GB, Van Deutekom JCT,
                                                                                                                                                                                                                                                                                                Example 1; Page 6; 18pp; English
                                                                                                               UYLE-) UNIV LEIDS MEDISCH CENT
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                                                21-SEP-2000; 2000EP-00203283.
                                                                                21-SEP-2000; 2000EP-00203283.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30-SEP-2002; 2002WO-US031165.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Conservative
                                                                                                                                                                                                WPI; 2002-354071/39.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Local Similarity
Les 14; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WO2003045973-A2.
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                                                                                                                                                                 Datson NA;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Matches
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The invention relates to an isolated peptide or polypeptide (I) of no more than about 50 amino acid residues which when contacted with cells in which a platelet-derived growth factor receptor (PDGF=R) is activated in an autocrine manner, inhibits the growth of these cells. The isolated compared to peptides or polypeptides preferably have the sequences: Lys-Lys-Lys-Lys-Lys-Lys (PA) hap-Asp-Glu-Glu-Lys (P2) Lys-Leu-Met-Ser-Tyr (P3) Phe-Phe-Phe-Lys (P4) Phe-Phe-His-Pro-Val (P5). (I) is useful for inhibiting cell proliferation, where the cell is a tumor or cancer cell (e.g. carcinoma, or habdomyoma-derived cell), lung, breast, collon, prostate, kidney, covary, testicular, skin, pancreatic, thyroid, adrenal, pituitary, brain, muscle or bone cell. The peptides are also useful for treating fibrotic disorders, myeloproliferative diseases, and blood vessel proliferative cuoding the P5 peptide.
                                                                                              New peptides having growth inhibitory action, useful for inhibiting tumor or cancer cell proliferation, or for treating fibrotic disorders, myeloproliferative diseases, and blood vessel proliferative (angiogenic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 genetic marker;
human cystic fibrosis transmembrane conductance regulator; CFTR;
PCR assay; cystic fibrosis; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; tive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human cystic fibrosis CFTR 1-related PCR primer SegID118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 15 BP; 1 A; 7 C; 1 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                 Disclosure; SEQ ID NO 315; 48pp; English
                               Spargo CA;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1330 TTCTTCTATCCCGTC 1344
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03-NOV-2000; 2000WO-US030493.
08-MAY-2001; 2001US-0351501.
19-NOV-2001; 2001US-031531P.
08-MAY-2002; 2002US-00142722.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (DUNL/) DUNLOP C L M. (WEIS/) WEISEL J M.
                                 Heidaran M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
(HAAL/) HAALAND P D.
                                                                WPI; 2003-505179/47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        25-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match
                               Dean C,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 371
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AD144618
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                                                                                                                                This invention relates to a novel method of identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator (CFTR) gene of a subject using a PCR sessy. The method comprises providing a DNA sample from the subject, providing at least one primer set given in the specification, contacting the DNA and primer set that comprises a region of bNA that includes the location of the genetic marker, separating the extension product from the at least one the genetic marker, separating the extension product on the basis of marker in the subject by analysing the melting behaviour of the genetic marker in the subject by analysing the melting behaviour of the extension product. The present sequence is that of a PCR primer which was used in the exemplification of the invention.
                                Identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator gene of a subject by contacting the DNA and primer set and separating the extension product.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator gene of a subject by contacting the DNA and primer set and separating the extension product.
                                                                                                                                                                                                                                                                                                                                                                                                                                       GapB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     human cystic fibrosis transmembrane conductance regulator; CFTR;
PCR assay; cystic fibrosis; PCR; primer; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Score 13.4; DB 1; Length 15; 93.3%; Pred. No. 1.4e+02; ative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human cystic fibrosis CFTR 1-related PCR primer SegID291
                                                                                                                                                                                                                                                                                                                                                                 Sequence 15 BP; 0 A; 4 C; 6 G; 5 T; 0 U; 0 Other;
                                                                                                   Claim 13; SEQ ID NO 118; 154pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Claim 1; SEQ ID NO 291; 154pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADI44791 standard; DNA; 15 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               2000WO-US030493.
2001US-00851501.
2001US-0333531P.
2002US-00142722.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1230 GCTGCGCTCCTTGG 1244
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                99US-0165301P
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              19-NOV-2002; 2002US-00300683
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          GCTGTGGCTCCTTGG 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                22-APR-2004 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                      14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Dunlop CLM, Weisel JM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (DUNL/) DUNLOP C L M. (WEIS/) WEISEL J M.
WPI; 2004-070574/07.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        WPI; 2004-070574/07
                                                                                                                                                                                                                                                                                                                                                                                                                       Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US2003235834-A1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      genetic marker;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 03-NOV-2000;
08-MAY-2001;
19-NOV-2001;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               12-NOV-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     08-MAY-2002;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            25-DEC-2003.
                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 3
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Gape

This invention relates to a novel method of identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator (CFTR) gene of a subject using a PCR assay. The method comprises providing a bNA sample from the subject, providing at least one primer set given in the specification, contacting the DNA and primer set that comprises a region of DNA that includes the location of the genetic marker, separating the extension product on the basis of malting behaviour and identifying the presence or absence of the genetic marker in the subject by analysing the melting behaviour of the extension product. The present sequence is that of a PCR primer which was used in the exemplification of the invention. 

Sequence 15 BP; 0 A; 4 C; 6 G; 5 T; 0 U; 0 Other;

0.9%; Score 13.4; DB 1; Length 15; 3.3%; Pred. No. 1.4e+02; 1; Indels 0; Mismatches 1230 GCTGCGGCTCCTTGG 1244 93.3%; 1 GCTGTGGCTCCTTGG 15 Best Local Similarity 93.3 Matches 14; Conservative Query Match ઠે 셤

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Gaps

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ADI44977 standard; DNA; 15 BP. ADI44977 RESULT 373 ADI44977 

(first entry) 22-APR-2004

Human cystic fibrosis CFTR 1-related PCR primer SeqID477

genetic marker; human cystic fibrosis transmembrane conductance regulator; CFTR; PCR assay; cystic fibrosis; PCR, primer; ss.

sapiens. Ношо

US2003235834-A1

25-DEC-2003

19-NOV-2002; 2002US-00300683

12-NOV-1999; 99US-0165301P. 03-NOV-2000; 2000WO-US030493. 08-MAX-2001; 2001US-00851501. 19-NOV-2001; 2001US-0333531P.

DUNL/) DUNLOP C L M. WEIS/) WEISEL J M.

Dunlop CLM, Weisel JM;

WPI; 2004-070574/07.

Identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator gene of a subject by contacting the DNA and primer set and separating the extension product.

Disclosure; SEQ ID NO 477; 154pp; English.

This invention relates to a novel method of identifying the presence or absence of a genetic marker in the human cystic fibrosis transmembrane conductance regulator (CFTR) gene of a subject using a PCR assay. The method comprises providing a DNA sample from the subject, providing at least one primer set given in the specification, contacting the DNA and the primer set, generating an extension product from the at least one primer set that comprises a region of DNA that includes the location of the genetic marker, separating the extension product on the basis of

ö melting behaviour and identifying the presence or absence of the genetic marker in the subject by analysing the malting behaviour of the extension product. The present sequence is that of a PCR primer which was used in the exemplification of the invention. Recombinant production of (pro)collagen having correct folding - using vectors encoding collagen sub:unit and collagen post-translational enzyme respectively. Gaps Collagen; mouse; spleen; recombinant; post-translational enzyme; procollagen; RT-PCR; primer; ss. ö Sequence 15 BP; 0 A; 4 C; 6 G; 5 T; 0 U; 0 Other; Mouse spleen RNA amplifying RT-PCR primer. Pihlajaniemi T; AAV06294 standard; DNA; 16 BP. 1230 GCTGCGCCTCCTTGG 1244 97WO-US007300 96US-00631336. GCTGTGGCTCCTTGG 15 06-MAY-1998 (first entry) (FIFI-) ACAD FINLAND (FIBR-) FIBROGEN INC WPI; 1997-526203/48. Kivirikki KI, 11-APR-1997; 12-APR-1996; WO9738710-A1 23-OCT-1997. Synthetic. ч AAV06294; Query Match Mus sp. Matches RESULT 374 AAV06294/ 88833333 ઠે 셤

Example 10; Page 49; 90pp; English

This primer is used for RT-PCR amplification of the mouse spleen RNA. The

Sequence 16 BP; 6 A; 6 C; 3 G; 1 T; 0 U; 0 Other;

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        cytochrome P450 A2, CYP4501A2, tytochrome P450 02E; CYP45002E1; LTF; adrenergic receptor beta1; ADBR1; aryl hydrocarbon; AHR; MRP3; NR112; aryl hydrocarbon receptor nuclear translocator; ARNT; cathepsin S; CTS5; cyclooxgenase 2; COX2; diazepam binding inhibitor; DBI; haematoblogical; epoxide hydroxylase 2; EPHX2; 5-11goxygenase activating protein; FLAP; glutathione-S-transferase 12; GST12; histamine-N-methyl transferase; NNMT; MADPH quinone oxidoreductase 2; NQC2; sulfotransferase thermolabile; STM; UDP-glucuronosyl transferase 2B1; UDP-glucuronosyl transferase 2B7; UDP-glucuronosyl transferase; UGT2B1; urckinase receptor; uPA; multidrug resistance associated protein 3; cancer; prostate; acetylcholine muscarinic receptor; CHMR1; CHMR2; CHMR3; CHMR5; CHMR5; altered drug metabolism; cardiovascular function; colorectal tumour;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Isolated nucleic acid molecules having polymorphisms in known human genes e.g. cytochrome p450 and cathepain S useful as genetic linkage markers for locating, identifying and characterizing the genes responsible for disorder-related traits.
                                                                           Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human; 88; primer; cytochrome P450 A1; CYP4501A1; UGT2B4; MDR1; PCR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          This invention relates to the sequence of an isolated nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human multidrug resistance associated protein 3 PCR primer #10
   Length 16;
                                                                           Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               central nervous system; pulmonary; immunological.
DB 1;
Query Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 1.6e+02;
Matches 14; Conservative 0; Mismatches 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Example 24; Page 150; 714pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                   ABS98344 standard; DNA; 16 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   28-NOV-2000; 2000US-00724389.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        28-NOV-2001; 2001WO-US044838.
                                                                                                                                                  386 CTGGCCTGTGTCT 400
                                                                                                                                                                                                                             15 creeccrererer 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (DNAS-) DNA SCI LAB INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 2002-698522/75.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 WO200257410-A2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ABS98344;
                                                                                                                                                                                                                                                                                                                                                                            ABS 98 344/C
XX
ABS 98 3 AAC
AB
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(WDR1), lactotransferrin (LTF), multidrug resistance associated protein 3 (MRP3), orphan nuclear receptor (NR112), or acetylcholine muscarinic receptor 1, 2, 3, 4, or 5 (CHMI), CHMR2, CHMR3, CHMR4 or CHMR5) sequence.

CT the polymorphisms in the human genes cited in the invention are useful as care responsible for specific traits within the genome and eventually identifying the genes responsible for a variety of disorder-related traits as a result of their e.g., overexpression, constitutive and eventually cand/or treating the disorders. The nucleic acid molecules comprising the polymorphic sequences contained in CYP4501A1, CYPP4501A2, CYP4502E1, CYPATAN, CAMPA, MOZO, NRI12, STM, UGT2B4, UGT2B7, UGT2B1, MGT2B1, CMT2B1, CMT2B1 ö NOVX; cardiant; antiarteriosclerotic; hypotensive; cytostatic; anorectic; antidiabetic; immunosuppressive; anti-HIV; neuroprotective; nootropic; antiparkinsonian; antiasthmatic; gynaecological; cardiomyopathy; atherosclerosis; hypotension; cancer; obesity; diabetes; AIDs; multiple sclerosis; graft-versus-host disease; Alzhaimer's; Parkinson's; asthma; fertility disorder; vaccine; gene therapy; chromosome mapping; tissue typing; human; NOV; ss; primer; PCR; RT-PCR. Gaps o; 0.9%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 1.68+02; ive 0; Mismatches 1; Indels Reverse Ag6832 RT-PCR primer used to amplify human NOV RNA. Sequence 16 BP; 1 A; 6 C; 3 G; 6 T; 0 U; 0 Other; 2001US-0310291P. 2001US-0310544P. 2001US-0310951P. 2001US-0311292P. ADE40334 standard; DNA; 16 BP. 2001US-0311979P. 2001US-0312892P. 2001US-0313201P. 17-AUG-2001; 2001US-0313415P. 20-AUG-2001; 2001US-0313643P. 20-AUG-2001; 2001US-0313702P. 02-AUG-2002; 2002WO-US024483. 2001US-0309501P. 290 CCCTGGGGAAACAGA 304 15 CACTGGGGAAACAGA 1 29-JAN-2004 (first entry) Best Local Similarity 93.3 Matches 14; Conservative WO2003064589-A2. Homo sapiens. 13-AUG-2001; 07-AUG-2003. 02-AUG-2001; 08-AUG-2001; 09-AUG-2001; 16-AUG-2001; 17-AUG-2001; 07-AUG-2001; ADE40334; Query Match ADE40334 ò a

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The invention relates to a novel NOVX polypeptide. The polypeptide of the invention demonstrates cardiant, antiarteriosclerotic, hypotensive, cytostatic, anorectic, antidiabetic, immunosuppressive, anti-HIV, neuroprotective, noctropic, antidiabetic, immunosuppressive, anti-HIV, neuroprotective, noctropic, antidiabetic, indiagnosing, treating or preventing NOVX-associated disorders including cardiomyopathy, atherosclerosis, hypertension, cancer, obesity, diabetes, AIDS, multiple sclerosis, graft-versus-host disease, Albrieimer's disease, Parkinson's disease, asthma or fertility disorders. Furthermore, the polypeptides may be utilised as vaccines whilst the nucleic acids may be used as hybridisation probes, in gene therapy, chromosome mapping, tissue typing, preventive medicine and pharmacogenomics. The current sequence is that of the RT-PCR primer of the invention which was used to amplify human NOV
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              high throughput; CpG methylation; genomic sequence expression; microarray; methylation-silenced gene; demethylation action; cancer cell;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               New NOVX polypeptides and nucleic acids, useful for preventing or treating NOVX-associated disorders, e.g. cancer, cardiomyopathy, atherosclerosis or diabetes, and in chromosome mapping, tissue typing or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human genomic CpG methylation assessment method-related PCR primer #99
                                                                                                                                                                                                                                                                                                                                         Kekuda R, Miller CE, Patturajan M, Pena CEA, Rieger DK;
Shimkets RA, Zerhusen BD, Li L, Ji W, Padigaru M, Casman SJ;
Voss EZ, Boldog FL, Gorman L, Leite MW, Vernet CAM, Anderson DW;
Guo X, Zhong M, Gerlach VL, Hjalt T, Rastelli L, Spytek KA;
Edinger SR, Ellerman K, Malyankar UM, Macdougall JR, Stone DJ;
Alsobrook JP, Lepley DM, Burgess CE, Majumder K, Wolenc AR;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 16 BP; 1 A; 3 C; 8 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Example C; SEQ ID NO 240; 560pp; English.
                                                                    20010S-0322716P.
20010S-032394P.
20010S-0349291P.
2002US-0354931P.
2002US-035478P.
2002US-0373814P.
2002US-0373814P.
2002US-0373814P.
2002US-0373814P.
2002US-0373814P.
                   2001US-0315403P.
2001US-0315403P.
2001US-0315853P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ADG38558 standard; DNA; 16 BP
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                                                                                                                                                                                                                                                                                                      (CURA-) CURAGEN CORP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              WPI; 2003-663472/62.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            pharmacogenomics.
                   23-AUG-2001;
28-AUG-2001;
29-AUG-2001;
17-SEP-2001;
21-SEP-2001;
14-DEC-2001;
                                                                                                                                                     19-MAR-2002;
                                                                                                                                                                    19-APR-2002;
19-APR-2002;
                                                                                                                                                                                                                             23-APR-2002;
                                                                                                                                                                                                                                                                01-AUG-2002;
                                                                                                                               05-FEB-2002;
                                                                                                                                                                                                           19-APR-2002;
                                                                                                                                                                                                                                                 07-JUN-2002
                                                                                                                                                                                                                                                                                                                                                                                                                                                           Smithson G;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ADG38558;
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The invention comprises a high throughput method for assessing genomic CpG methylation and expression of genomic sequences of a tissue sample. The method involves the use of a microarray that has affixed CpG-rich genomic probe fragments each comprising an exon sequence (or portion invention are useful for assessing genomic CpG methylation and expression of genomic sequences of a tissue sample. The method is useful for the identification of novel methylation-silenced genes that are reactivated upon methylation and in determining the efficacy and mechanisms of demechylation and in determining the efficacy and mechanisms of demechylation action in cancer cells. The present DNA sequence represents a PCR primer that was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                  Microarray with affixed CpG-rich genomic probe fragments each comprising (a portion of) an exon sequence of an expressible gene, useful in a method for dual assessment of genomic CpG methylation and expression of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ribozyme; minizyme; cleavage; substrate; hammerhead; DNA arms; helix; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gaps
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0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /*tag= a
/note= "conserved oligonucleotides"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 16 BP; 0 A; 4 C; 7 G; 5 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                              Example 13; SEQ ID NO 190; 100pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Location/Qualifiers
                                                                                                                                                12-APR-2002; 2002US-0372140P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1232 TGCGGCTCCTTGGTG 1246
                                                                                                                  14-APR-2003; 2003WO-US011598
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   93.3%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2 TGCGGCTCCGTGGTG 16
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PCR; primer; ss; human.
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                                                                                                                                                                            (UMOR ) UNIV MISSOURI
                                                                                                                                                                                                                                        WPI; 2003-845373/78.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                  genomic sequences.
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                                                                                                                                                                                                          Huang TH, Shi H;
                                                        WO2003087774-A2
                            ното варіелв.
                                                                                      23-OCT-2003.
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17-FEB-1995
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Pavco P, Mcswiggen J,
WPI; 1997-259017/23
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Best Local Similarity
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11-JAN-1996;
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                                                                                                                                                                                                                                                                                                                                                                                   CCCXBXTTTTXBXTXBXXBXBXXBXXBXXBXXBXXBXCCCX
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                                                                                                                                                                        The target for two half-minizymes KrM1/2A and KrM1/2B is KrS21 (AUUUGCGAGUCCACUGGAG). The target for minizymes M(n)pd, Meg, M(n)t, Mat(6x2) and MUUGC is S13 (GCGGUCAUGAAG). The minizymes have halix II replaced by linkers contg. various numbers of neutral ethyleneglycol (eg) units, charged phosphopropanediol (pd) units, or charged deoxyribothymidine units. A comparison of the cleavage activities of these minizymes against the same substrate allows the optimal number of atoms in the chain linking the two stretches of conserved nucleotides to be determined, and gives some insight into the chemical properties required by the linker. The two half-minizymes together are able to cleave their substrate at the same place as does a hammerhead ribozyme, however, the active struture is very unstable. This indicates that the role of the helix II is to stabilise the active struture. (Updated on 25-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Vascular endothelial growth factor receptor; VEGF receptor; flt-1; flk-1; KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumort angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
                                                                                                     New mini-zyme(s) and DNA-armed ribozyme(s) - capable of cleaving nucleic acid polymers in vivo and in vitro, useful for treating e.g. viral infection.
                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human KDR VEGF receptor hammerhead ribozyme substrate #624.
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                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 4 C; 5 G; 0 T; 5 U; 0 Other;
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                                                                                                                                                     Disclosure; Fig 16A; 113pp; English
                                                          Hendry P;
                                                                                                                                                                                                                                                                                                                                    MAR-2003 to correct PN field.)
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           92US-00986776
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                                  (GENE-) GENE SHEARS PTY LTD
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                                                                                                                                                                                                                                                                                                                                                                                                                               404 TCATCAGCACCCTGG
                                                        Jennings PA, Mccall MJ,
                                                                               WPI; 1994-217795/26
           08-DEC-1992;
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Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor; foetal liver kinase 1; se
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.4; DB 1; 73.3%; Pred. No. 1.7e+02; ative 3; Mismatches 1;
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Best Local Similarity

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(preferably human) having a condition associated with the level of the fms-like tyrosine kinase 1 (flt-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, ocular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Nucleic acid molecule modulating VEGF receptor(s) gene expression or mRNA stability - useful for treating e.g. tumour angiogenesis, psoriasis, rheumatoid arthritis, etc., in a human patient.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The present invention describes nucleic acid molecules which modulate the synthesis, expression and/or stability of a mRNA encoding 1 or more receptors of vascular endothelial growth factor (WEGF). A patient (preferably human) having a condition associated with the level of the fims-like tyrosine kinase 1 (fll-1), kinase insert domain containing receptor (KDR) and/or foetal liver kinase 1 (flk-1) (e.g. tumour angiogenesis, coular diseases, psoriasis and rheumatoid arthritis) can be treated by administering the nucleic acid molecule or the expression vector to the patient. AAX67275 to AAX75752 represent specific examples of nucleic acid molecules from the present invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  KDR; hammerhead ribozyme; hairpin ribozyme; cleavage; tumour angiogenesis; psoriasis; rheumatoid arthritis; ocular disease; fms-like tyrosine kinase 1; kinase insert domain containing receptor;
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                                                                                                                                                          Sequence 17 BP; 3 A; 8 C; 3 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                  3; Mismatches
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0.9%; Score 13.4; DB 1; Length 17;

Query Match

Sequence 17 BP; 3 A; 3 C; 6 G; 0 T; 5 U; 0 Other

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Enzymatic nucleic acids - which cleave RNA derived from an epidermal growth factor receptor, useful for inhibiting cell proliferation and for treating cancers.
                                                                                                                                                                                                                                                                                                 Human, epidermal growth factor receptor, BGFR, BGF-R, target sequence, hammerhead ribozyme, hairpin ribozyme, inhibition, cell proliferation, cancer, genetic drift, detection, mutation, ss.
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73.3%; Pred. No. 1.7e+02;
ive 3; Mismatches 1; Indels
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93.3%; Pred. No. 1.7e+02;
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                                                                                                                                                                           AAV97590 standard; RNA; 17 BP.
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                               14; Conservative
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Matches 11; Conservative
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The present libration describes enzyments activity, which specifically cleave RNA encoded by an aryl hydrocarbon nuclear transporter (ARNT) gene, an integrin alpha 6 subunit gene, an integrin alpha 6 subunit gene, an integrin subunit beta 3 agene, an integrin alpha 6 subunit gene, an integrin subunit beta 3 AAA17167 and AAA17167 and AAA17621 to AAA17684 tepresent their corresponding target sequences; AAA17685 to AAA17685 and AAA19086 and AAA19155 to AAA19222 represent their corresponding target sequences; AAA19255 to AAA19222 represent their corresponding target sequences; AAA19255 to AAA21680 to AAA21500 and AAA19259 to AAA21690 to AAA21690 and AAA21690 to AAA221690 to AAA21690 to AAA221690 to AAA21690 to AAA221690 to AAA221690 to AAA221690 to AAA221690 to AAA22360 to AAA23260 to AAA23342 represent their corresponding target sequences; AAA23342 represent their corresponding target sequences. The ribozyme squences for integrin subunit beta 3, and AAA2340 to AAA23362. AAA3333 to AAA3342 represent their corresponding target sequences. The ribozymes of the invention are used for modulating the synthesis, expression and/or stability of an mRNA encoding angiogenic factor especially ARNT, corresponding target sequences. They are especially used to treat cancer, diabetic retinopathy, age related macular degeneration (ARND), inflammation, and arthritis, as well as enevascular glaucoma, myopic degeneration, psoriasis, verruce vulgaris, and other syndrome, Kippel-Trenaunay Weber spidrome, verruce vulgaris, and other syndrome, wand other syndrome, the level to the lev
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Novel ribozymes for modulating the synthesis, expression and/or stability of an mRNA encoding an angiogenic factors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             present invention describes enzymatic nucleic acid molecules with RNA
                                                                                                                                                                                       integrin alpha 6 subunit; integrin subunit beta 3; hairpin ribozyme; hammerhead ribozyme; angiogenic factor; cytostatio; antidiabetic; ophthalmologic; antinflammatory; antidiathritic; antipsoriatic; ARMD; dermatological; RNA cleavage; cancer; diabetic retinopathy; arthritis; age related macular degeneration; inflammation; neovascular glaucoma; myopic degeneration; psoriasis; veruca vulgaris; angiofibroma; tuberous sclerosis; pot-wine stain; Sturge Weber syndrome; ss. Kippel-Trenaunay-Weber syndrome; Osler-Weber-Rendu syndrome; ss.
                                                                                                                                                                        Human; aryl hydrocarbon nuclear transport; ARNT; TIE-2; angiogenesis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Jarvis T, Coeshott C, Mcswiggen JA;
                                                                                                                Integrin alpha 6 subunit substrate sequence SEQ ID NO:3618
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                integrin subunit alpha-6, or integrin subunit beta-3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 55; Page 142; 305pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          98US-0079678P.
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                                                        19-JUN-2000 (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24-MAR-1999;
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  AAA20392;
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0.9%; Score 13.4; DB 1; Length 17; 73.3%; Pred. No. 1.7e+02;
                              1; Indels
                             3; Mismatches
                                                            1202 GGCTGTACAGCTACG 1216
 Query Match
Best Local Similarity 73.3
Matches 11; Conservative
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Length 17;

Score 13.4; DB 1; Pred. No. 1.7e+02;

0.9%;

Best Local Similarity

Query Match

Sequence 17 BP; 2 A; 6 C; 0 G; 0 T; 9 U; 0 Other;

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capable of modulating a process in a biological system. The method comprises: (a) introducing into the system a random library of nucleic comprises: (a) introducing into the system a random library of nucleic comprises: (a) introducing into the system a random library of nucleic acid catalysts (NAC) having a substrate binding domain (SBD), comprising a random sequence, and a catalytic domain (CD); and (b) identifying NAC in systems where modulation has occurred and/or determining the sequence of at least part of the SBDs in such systems. Nucleic acid molecules with endounclease activity and catalytic activity, from the present invention, are used to modulate gene expression in plant and mammalian cells and to clave target nucleic acid, particularly for treating systems, non-hepetic ascites and infection. They may also be used to detect genetic drift and ascites and infection. They may also be used to detect genetic drift and contains in diseased cells and to determine craf RNA. Specifically NACs with RNA-cleaving activity that modulate expression of the Raf gene, are used to treat cancer, restencests, personned arthritis, or used to treat cancer, restencests with the level of c-raf. Introduction of sugar/phosphate modifications increases stability against nuclease and activity. AAV99922 to AAV33877 represent NACs that can be used in the activity, AAV99022 to AAV33877 represent NACs that can be used in the method, specifically for modulating the expression of a Raf gene
                                                                                                                                                                                            Human, c-raf, A-raf, B-raf, hammerhead ribozyme; hairpin ribozyme;
target, substrate; catalyst; modulation; expression; Raf gene; delivery;
screening; identification; synthesis; deprotection; purification; cancer;
inflammation; psoriasis; non-hepatic ascites; infection; genetic drift;
restenosis; rheumatoid arthritis; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Identifying new catalytic nucleic acid that modulates selected processes - especially tibozymes that cleave Raf RNA for treating cancer, restenosis, and also new ribozymes and modified nucleoside triphosphates used as antiviral agents and synthons.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              A method has been developed for the identification of a nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Bellon L;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Burgin A;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matulic-Adamic J, Reynolds M, Kisich K,
Beigelman L, Mcswiggen JA, Karpeisky A,
J, Workman CT, Beaudry A, Sweedler D;
                                                                                                                                                              Human B-raf substrate nucleotide position 429.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 177; Page 166; 259pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          97US-0046059P.
97US-0049002P.
97US-0051718P.
97US-0061321P.
97US-0061324P.
                                    AAV93334 standard; RNA; 17 BP
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                                                                                                                       (first entry)
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                                                                                                                                                                                                                                                                                                                                Homo sapiens.
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                                                                                                                       18-FEB-1999
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05-NOV-1997
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                                                                               AAV93334;
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RESULT, 384
                   AAV9333
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Matches

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RESULT 385

AAA36043,

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The present invention relates to enzymatic and antisense nucleic acid molecules that act as inhibitors of the expression of repressor genes encoding the TR2 Orphan receptor, EAR3/COUP-TF-1, the GATA transcription factor gene, IRR-2 and/or the CAATI Displacement Protein (CDP). Inhibition of the repressors removes prevents inhibition (and consequently increases expression of) genes involved in the production of erythropoietin, granulocyte colony stimulating factor protein and interferon alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; noctropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOG0; hammerhead ribozyme; DNAzyme; inozyme; declarer; amberzyme; inizyme; linozyme; linozyme; non-Hodgkin's lymphoma; NHL; lymphoma; leukaemia; human immunodeficiency virus; HTV associated NHL; mantle-cell lymphoma; MCI; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; cerebrous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; chemotherapy-induced neuropathy; amyotrophic lateral sclerosis; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Enzymatic and antisense nucleic acid inhibition of repressor genes, useful for producing e.g. granulocyte colony stimulating factor protein, interferon alpha and erythropoietin.
                                                                                                                Ribozyme; erythropoietin; granulocyte colony stimulating factor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        Mcswiggen J;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human NOGO Hammerhead Ribozyme #287.
                                                                   Hammerhead ribozyme substrate #925.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Claim 37; Page 77; 164pp; English
                                                                                                                                                                                                                                                                                                                  11-APR-2000; 2000WO-US009721.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Pavco P,
                                                                                                                                                                                                                                                                                                                                                                 99US-0129390P
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                                                                                                                                                                                                                                                                                                                                                                                                           (RIBO-) RIBOZYME PHARM INC
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                         16-FEB-2001 (first entry)
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Best Local Similarity 93.3
Matches 14; Conservative
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                                                                                                                                       interferon alpha; ss.
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                                                                                                                                                                                                                            WO200061729-A2
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                                                                                                                                                                                  Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 387
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A method has been developed for detecting the presence or absence of a single nucleotide polymorphism (SNP) allele in a genomic sample. The method comprises preparing a reduced complexity genome (RCG) from the genomic sample and analysing the RCG for the presence or absence of a SNP allele. The method can be used to characterise a tumour, to generate a genomic pattern for an individual genome or to generate a genomic classification code for a genome. The method can be used to assess set of SNP alleles associated with a disease or to identify a set of SNP alleles associated with a disease. The method can also be used to perform linkage analysis. AAA35944 to AAA35947 represent sequences used in the exemplification of the present invention. AAA35948 to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 preparation
                                                                                                                                                                                                                                                                                                                                                                                  Human; single nucleotide polymorphism; SNP; genotyping; DNA analysis; allele specific oligonucleotide; ASO; reduced complexity genome; RGG; genomic classification; identification; DNA fingerprinting; tumour characterisation; hybridisation; ss.
  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Detection of single nucleotide polymorphisms in genomes by preparal and analysis of reduced complexity genomes, useful for genotyping, fingerprinting and determining allele frequency of SNPs.
                                                                                                                                                                                                                                                                                                                                          Human genomic SNP allele specific oligonucleotide SEQ ID NO:100
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Indels
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  Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Disclosure, Page 56; 111pp; English.
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                                            815 TCTACTTCCTCTTCT 829
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Matches 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
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therapies. In particular, the NOGO-Targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (NS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
                                                                                                                                                                                                                  Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     sequence is a hammerhead ribozyme of the invention
                                                                                                                                                                             Chowrira BM;
                                                                                                                                                                                                                                                                   Claim 88; Page 70; 200pp; English
                                                                                    11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
                                                                  09-FEB-2001; 2001WO-US004273
                                                                                                                            (RIBO-) RIBOZYME PHARM INC.
                                                                                                                                                                            Blatt L, Mcswiggen J,
                                                                                                                                                        CHOW/) CHOWRIRA B M.
                                                                                                                                      BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                               WPI; 2001-607195/69
                           WO200159103-A2.
  Homo варіепв.
                                               16-AUG-2001
          Synthetic.
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(MCSW/)
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Seguence 17 BP; 5 A; 6 C; 2 G; 0 T; 4 U; 0 Other;

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0.9%; Score 13.4; DB 1; Length 17; 56.7%; Pred. No. 1.7e+02; lve 4; Mismatches 1; Indels
                1 Similarity 66.7%;
10; Conservative
                  Local Similarity
   Query Match
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Matches
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724 AAAAGCTACTCCTTC 738 | |||||:||:|| AGAAGCUACUCCUUC 16

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Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; noctropic; neuroprotective; antiparkinsonian; muscular; CD20; neurite growth inhibitor gene; NOG0; hammerhead ribozyme; DNAzyme; incyme; incyme; incyme; incyme; incyme; lanerayme; lymphoma; leukaemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphocytic leukaemia; human immunodeficiency virus; HTV associated NHL; lymphocytic leukaemia; MCI; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; central nervous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease. Human CD20 Hammerhead ribozyme #137. 11-FEB-2000; 2000US-0181797P. 28-FEB-2000; 2000US-0185516P. 06-MAR-2000; 2000US-0187128P. 09-FEB-2001; 2001WO-US004273. ABK02838 standard; RNA; 17 12-MAR-2002 (first entry) WO200159103-A2. gapiens, 16-AUG-2001 Synthetic ABK02838; ABK02838 

Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury. Chowrira BM Blatt L, Mcswiggen J, WPI; 2001-607195/69.

(RIBO-) RIBOZYME PHARM INC. (BLAT/) BLATT L. (MCSW/) MCSWIGGEN J.

CHOWRIRA B M.

CHOM/)

Claim 30; Page 142; 200pp; English.

The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cepulates expression of a neutite growth inhibitor gene (NGOD). The regulates expression of a neutite growth inhibitor gene (NGOD). The nucleic acids (e.g. a ribozyme or a nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acids (e.g. a ribozyme or a namberzyme (cleaving RNA with a NYM motif) proposessing an NCH motif). The CD20-targetting nucleic acid is used to cleave RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA corporated with a YGY motif). The CD20-targetting nucleic acid as used to cleave RNA corporated patient having a condition associated with the level corporated in the presence of a divalent cation that is preferably Mg<sup>2</sup>2+.

The cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-cell lymphoma, low-grade or follicular non-theixemia, HIV (human immunodeficiency virus) associated NHL, lymphocytic lymphoma, lambor in munodeficiency virus) associated NHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunodeficiency virus) associated NHL, mantle-cell lymphoma (MCL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunodefic acid is used to cleave RNA of the NGOS gene in the erargetting nucleic acid may be contacted with a cell to reduce NGOS activity of the coll and treat a patient having a condition associated with the level of

ö NOGO. The treatment may further comprise the use of one or more therapies. In particular, the NOGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (MS), Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenzative disease states which respond to the modulation of NOGO expression. The present Human; ss; antisense therapy; cytostatic; antiinflammatory; haemostatic; cerebroprotective; nootropic; neuroprotective; antiparkinsonian; mucollar; CD20; neurite growth inhibitor gene; NOGO; hammerhead ribozyme; DNAzyme; inozyme; Jecleaver; amberzyme; linzyme; lincyme; Jeckeemia; B-cell lymphoma; non-Hodgkin's lymphoma; NHL; lymphoma; leukaemia; human immunodeficiency virus; HIV associated NHL; mantle-cell lymphoma; MCL; immunocytoma; IMC; immune thrombocytopaenia; stroke; dementia; inflammatory arthropathy; cerebrous system injury; cerebrovascular accident; CVA; Alzheimer's disease; multiple sclerosis; cenentherapy-induced neuropathy; amyotrophic lateral sclerosis; ALS; Parkinson's disease; ataxia; Huntington's disease; creutzfeldt-Jakob disease; muscular dystrophy; neurodegenerative disease. Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury. Gaps ; 0 h 0.9%; Score 13.4; DB 1; Length 17; Similarity 53.3%; Pred. No. 1.7e+02; 8; Conservative 6; Mismatches 1; Indels sequence is a hammerhead ribozyme of the invention Sequence 17 BP; 1 A; 6 C; 3 G; 0 T; 7 U; 0 Other; Chowrira BM; Claim 30; Page 168; 200pp; English. 1065 CTTTGCCTTCCTCCA 1079 ABK03744 standard; RNA; 17 BP 11-FEB-2000; 2000US-0181797P. 28-FEB-2000; 2000US-0185516P. 06-MAR-2000; 2000US-0187128P. 09-FEB-2001; 2001WO-US004273. 1 curugccurcurccA 15 (RIBO-) RIBOZYME PHARM INC. (first entry) Human CD20 Amberzyme #93. Blatt L, Mcswiggen J, CHOWRIRA B M. WPI; 2001-607195/69. BLATT L. MCSWIGGEN J. Query Match Best Local Similarity Matches 8; Conserv WO200159103-A2. Homo sapiens 12-MAR-2002 16-AUG-2001 ABK03744; (BLAT/) (MCSW/) CHOM/) RESULT 389 ABK03744/ 셤 ò

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cegulates expression of a neutite growth inhibitor gene (NGGO). The nucleic acids may be enzymatic nucleic acids (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid (e.g. a ribozyme or a DNAzyme) an Inozyme (an endolytic nucleic acid cleaving an RNA molecule possessing an NCH motif), a G-cleaver (cleaving RNA with a YGY motif). The CD20-targetting nucleic acid is used to cleave RNA of CD20 in the presence of a divalent cation that is preferably Mg^2+. CT Purhermore, it may be contacted with a cell to reduce CD20 activity of the cell and treat a patient having a condition associated with the level of CD20. The treatment may further comprise the use of one or more threat lymphoma, leukaemia, B-cell lymphoma, lowerated or follicular NHL, lymphocytic leukaemia, HIV (human immunodeficiency virus) associated NHL, mantle-cell lymphoma (NHL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, cimmune thrombocytopaenia, and inflammatory archropathy. The NOGO gene in the compression of a divalent cation that is preferably Mg² 2+. Furthermore, the comprise of a divalent cation that is preferably Mg² 2+. Furthermore, the comprise the use of one or more coll and treat a patient having a condition associated with the level of the NoGO for the propertion of a divalent cation that is preferably Mg² 2+. Furthermore, the condition appropriate and the level of the propertion of a divalent paying a condition associated with the level of the propertion of the propertion of the propertion of a divalent paying the the use of one or more propertion of a divalent paying the propertion of a divalent paying the propertion of a divalent paying the propertion of the propertion of the propertion of the properti
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      therapies. In particular, the NOGO-targetting nucleic acid may be used to treat central nervous system (CNS) injury and cerebrovascular accident (CVA, stroke), Alzheimer's disease, dementia, multiple sclerosis (MS), chemotherapy-induced neuropathy, amyotrophic lateral sclerosis (ALS), Parkinson's disease, ataxia, Huntington's disease, Creutzfeldt-Jakob disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                sequence is an amberzyme molecule of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 17 BP; 10 A; 1 C; 6 G; 0 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ABK03745 standard; RNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human CD20 Amberzyme #94.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 0.9
Best Local Similarity 93.3
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ABK03745;
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WO200159103-A2. 16-AUG-2001

Synthetic

ICAM-1 triple helix associated oligonucleotide SEQ ID 4.

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The invention relates to a nucleic acid molecule which down regulates expression of a CD20 gene and a nucleic acid molecule which down cegulates expression of a neurite growth inhibitor gene (NGOD). The nucleic acids (e.g. a ribozyme or a namberzyme (cleaving RNA with an NGN withis) present of cleaving RNA with a NKN motif) presence of a divalent cation that is preferably Mg^2+.

Cof CD20 in the presence of a divalent cation that is preferably Mg^2+.

Cof CD20. The treatment may further comprise the use of one or more therapies. In particular, the CD20 targetting nucleic acid may be used to treat lymphoma, leukaemia, B-call lymphoma, low-grade or follicular non-creat lymphoma (MLL), bulky low-grade or follicular non-creat lymphoma (MLL), bulky low-grade or follicular NHL, lymphocytic lymphoma (MLL), immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytic lymphocytic lymphoma, immunocytoma (IMC), small B-cell lymphocytic lymphoma, immunocytoma and inflammatory arthropathy of the centeral may further comprise the use of one or more theat centeral nervous sy
                                                                                                                                                                                                                                                                                                                                                                                      Nucleic acid molecules, e.g., enzymatic nucleic acids and antisense constructs, which down regulate expression of a CD20 gene or neurite growth inhibitor gene useful for treating, e.g., lymphoma, leukemia, and central nervous system injury.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease, muscular dystrophy, and/or other neurodegenerative disease states which respond to the modulation of NOGO expression. The present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 sequence is an amberzyme molecule of the invention
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                                                                                                                                                                                                                                                                                        Chowrira BM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Claim 30; Page 168; 200pp; English
                                                11-FEB-2000; 2000US-0181797P.
28-FEB-2000; 2000US-0185516P.
06-MAR-2000; 2000US-0187128P.
09-FEB-2001; 2001WO-US004273
                                                                                                                                                      RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                     Mcswiggen J,
                                                                                                                                                                                                                                    CHOWRIRA B M.
                                                                                                                                                                               BLATT L.
MCSWIGGEN J.
                                                                                                                                                                                                                                                                                                                                     WPI; 2001-607195/69.
                                                                                                                                                                                                                                                                                  Blatt L,
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(BLAT/)
(MCSW/) 1
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ABN10683,
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                                    Gaps
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         0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; cive 0; Mismatches 1; Indels
                                                          815 TCTACTTCCTCTTCT 829
                                                                                                                                 AZIGB602/c
ID AAI68602 Btandard; DNA; 17
                                    14; Conservative
                    Local Similarity
           Query Match
                                                                                    16
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Best Loca Matches

(first entry)

14-JAN-2002

AA168602;

2XXX2X

RESULT 391

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This invention describes novel polydeoxyribonucleotides (A), for use as triple-helix forming oligonucleotides, having at least 3 sequential burine and/or pyrimidine bases, capable of inhibiting transcription of ICAM-1. (A) has a sequence specific for the transcribed or promoter regions of the ICAM-1 (intracellular adhesion molecule) gene. The products of the invention have antipsoriatic, dermacological, antiantlammatory, immunosuppressive and gastrointestinal activity. (A) are used for treatment or prevention of ICAM-1-associated diseases, specifically psoriasis, neurodermatitis, allergic asthma. Cronn's disease, autoimmune diseases and transplant rejection. Compared with antisease oligonucleotides, (A) provide a longer-lasting effect (they bind directly to the gene, so a compensatory increase in the provide transplation is not possible). (A) may be coupled to psoralen to provide the provide the series of the point of the point
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            light-regulatable, sequence-specific downregulation of genes; this should make photo-ultra-violet therapy more specific, with reduced side effects.
                                                    ICAM-1; triple helix; transcription inhibition; antipsoriatic; intracellular adhesion molecule; dernatological; antiasthmatic; antiflammatory; immunosuppressive; gastrointestinal; psoriasis; neurodermatitis; allargic asthma; Crohn's disease; autoimmune disease; transplant rejection; psoralen; photo-ultra-violet therapy; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Triple-helix forming polydeoxyribonucleotides, useful for treating intracellular adhesion molecule-1 related diseases, e.g. psoriasis, directed against transcribed or promoter regions of the ICAM-1 gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAI68599-AAI68673 represent oligonucleotides used to illustrate the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:10675
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Claim 5; Page 2; 61pp; German.
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                                                                                                                                                                                                                                                                                                                                                                                                                     18-APR-2001; 2001WO-DE001509.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-APR-2000; 2000DE-01019252.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            15 GGGAGGGGGGGA 1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 BESC/) BESCH R.
                                                                                                                                                                                                                                                                                               WO200179487-A2
                                                                                                                                                                                                                                     Unidentified
                                                                                                                                                                                                                                                                                                                                                       25-OCT-2001.
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ABN06631 standard; DNA; 17 BP.

Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.

WO200192524-A2

06-DEC-2001

Homo sapiens.

Human GDMLP-1 17-mer scanning SEQ ID NO:5 sequence SEQ ID NO:6623

(first entry)

29-MAY-2002

ABN06631;

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New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                       Disclosure; SEQ ID NO 10675; 214pp; English.
                                                                                                                                                                                                                                   Hanzel DK,
                                                                                   2000US-0234687P.
2000US-0236359P.
2000GB-00024263.
                                                                                                             2001WO-US000661.
2001WO-US000662.
                                                                                                                                      30-JAN-2001; 2001WO-US000664.
30-JAN-2001; 2001WO-US000665.
30-JAN-2001; 2001WO-US000666.
                                                                                                                                                               30-JAN-2001; 2001WO-US000667.
30-JAN-2001; 2001WO-US000668.
30-JAN-2001; 2001WO-US000669.
                                                         25-MAY-2001; 2001WO-US016981
                                                                                                                             2001WO-US000663
                                                                                                                                                                                         2001WO-US000670
                                                                                                                                                                                                  05-FEB-2001; 2001US-0266860P
                                                                                                                                                                                                                                   Gu Y, Ji Y, Penn SG,
                                                                                                                                                                                                                  (AEOM-) AEOMICA INC.
                                                                                                                                                                                                                                                     WPI; 2002-179446/23
                         WO200192524-A2.
         Homo sapiens.
                                                                                                            30-JAN-2001;
30-JAN-2001;
                                                                                            27-SEP-2000;
                                                                                                                               30-JAN-2001;
                                                                                                                                                                                          30-JAN-2001;
                                         06-DEC-2001
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Shannon ME;

Chen W,

Rank DR,

The present invention describes a human genome-derived myosin-like

protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP
c c can be used in gene therapy and vaccine production. The hGDMLP-1

mucleic acids can be used as probes to detect, characterise and quantify

mucleic acids in samples, as amplification substrates, to

hGDMLP-1 nucleic acids in samples, as amplification substrates, to

provide initial substrates for the recombinant engineering of hGDMLP-1

protein variants having desired phenotypic improvements, and for

expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

crosed as immunospens to raise antibodies that specifically recognise hGDMLP
crosed as immunospens to raise antibodies that specifically recognise hGDMLP
crosed as immunospens to raise antibodies that specific biomolecule

and/or amount specifically of hGDMLP- proteins, as specific biomolecule

and/or amount specifically of hGDMLP- proteins, as specific biomolecule

crospture probes for surface-enhanced laser desorption ionisation, as

therapeutic supplement in patients having specific deficiency in hGDMLP-1

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines or for replacement therapy. The

production, and in vaccines and of hGDMLP-1 in particular heart

and skeletal muscle disorders. hGDMLP-1 may be used for diagnosing a

disorder associated with the expression of hGDMLP-1. in particular heart

and skeletal muscle disorders. hGDMLP-1 is of homeone 22.

The present sequence in the exemplification of the present invention. N. B.

The sequence data for this patent did not form art of the printed

specification, but was obtained in electronic format directly from WIPO

c at ftp.wipo.int/pub/published\_pot\_general propertions of the present and proved the present and proved the prese

Sequence 17 BP; 3 A; 8 C; 4 G; 2 T; 0 U; 0 Other;

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0
0.9%; Score 13.4; DB 1; Length 17; 13.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels
                    93.3%;
                    Best Local Similarity 93.34
Matches 14; Conservative
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Gaps

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RESULT 393 ABN06631

Sequence 17 BP; 2 A; 5 C; 5 G; 5 T; 0 U; 0 Other;

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The present invention describes a human genome-derived myosin-like

CC protein 1 (hGDMLP-1). The protein and polynucleotide sequences of hGDMLP-
CC lcan be used in gene therapy and vaccine production. The hGDMLP-1

CC mucleic acids can be used as probes to detect, characterise and quantify

CC hGDMLP-1 nucleic acids in samples, as amplification substrates, to

CC provide initial substrates for the recombinant engineering of hGDMLP-1

CC provide initial substrates for the recombinant engineering of hGDMLP-1

CC provide initial substrates for the recombinant engineering of hGDMLP-1

CC protein variants having desired phenotypic improvements, and for

CC expressing the proteins. The hGDMLP-1 proteins or polypeptides may be

CC expressing the proteins a standards in assays used to determine the concentration

and/or amount specifically of hGDMLP proteins, as specific biomolecule

CC and purplement in pathents having specific deficiency in hGDMLP-1

CD production, and in vaccines or for replacement therapy. The

CC polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a

CC disorder associated with the expression of hGDMLP-1.

CC and skeletal muscle disorders, hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the

CC The protein in the exemplification of the present invention. N.B.

CT he sequence data for this patent did not form part of the printed

CC at fip.wipo.int/pub/published_pct_sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Shannon ME
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2001WO-US000663.
2001WO-US000664.
2001WO-US000665.
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2000US-0234687P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New polypeptide, for raising antibodies that recognize hGDMLP-1 proteins, or as specific biomolecule capture probes for surface-enhanced laser desorption ionization, comprises human myosin-like protein hGDMLP-1.
                                                                                                                                                                                                                                                                                                                                 Human; genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart; muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
                                      Gaps
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   Length 17;
                                    Indels
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 Score 13.4; DB 1;
Pred. No. 1.7e+02;
0; Mismatches 1;
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Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
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30-JAN-2001; 2001WO-US000661
30-JAN-2001; 2001WO-US000662
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30-JAN-2001; 2001WO-US000666
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30-JAN-2001; 2001WO-US000670
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                                                                                                                                                                                           ABN06638 standard; DNA; 17
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                                                                     21 TCTGCGTCTGCAGAG
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polynucleotide sequences encoding hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1, in particular heart and skelettal muscle disorders. hGDMLP-1 is localised to chromosome 22. The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence in the exemplification of the present invention. N.B. The sequence date for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO at ftp.wipo.int/pub/published_pct_sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                             Human, genome-derived myosin-like protein 1; GDMLP-1; hGDMLP-1; heart, muscle; myosin; chromosome 22; gene therapy; vaccine; heart disease; skeletal muscle disorder; amplicon; screening; ss.
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                                                                                                                                  Sequence 17 BP; 4 A; 4 C; 6 G; 3 T; 0 U; 0 Other;
                                                                                                                                                              Score 13.4; DB 1;
Pred. No. 1.7e+02;
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2001WO-US000664.
2001WO-US000665.
2001WO-US000666.
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                                                                                                                                                            Query Match
Best Local Similarity 93.33
Matches 14; Conservative
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05-FEB-2001;
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27-SEP-2000;
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Indicate actus can be used as process to userce. Considerate actus quantities of provide initial substrates for the recombinant engineering of hGDMLP-1 provide initial substrates for the recombinant engineering of hGDMLP-1 provide initial substrates for the recombinant engineering of hGDMLP-1 proteins or polypeptides may be expressing the proteins. The hGDMLP-1 proteins or polypeptides may be consentration and/or amount specifically of hGDMLP-1 proteins, as specifically recognise hGDMLP-1 capture probes for surface-enhanced laser desorption ionisation, as consentration and/or amount specifically of hGDMLP-proteins, as specific biomolecule capture probes for surface-enhanced laser desorption ionisation, as consentration and in vaccines or for replacement therapy. The production, and in vaccines or for replacement therapy. The colloquer associated with the expression of hGDMLP-1 may be used for diagnosing a disorder associated with the expression of hGDMLP-1 in particular heart can skeletal muscle disorders. hGDMLP-1 is localised to chromosome 22.

The present sequence represents an oligomer used in the screening of the hGDMLP-1 sequence data for this patent did not form part of the printed capture the acquence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO capture the format directly from WIPO capture acquence and part of the present directly from WIPO capture and part of the printed capture for the present sequence and patent patent endence and patent patent did not form part of the printed capture process and fire printed capture process and fire present directly from WIPO capture process and patent process and patent process and patent patent endence and patent patent endence and patent patent did not form patent directly from WIPO capture process and patent patent endence and patent patent directronic format directly from WIPO c
acids can be used as probes to detect, characterise and quantify
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Sequence 17 BP; 3 A; 9 C; 3 G; 2 T; 0 U; 0 Other;

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0.9%; Score 13.4; DB 1; Length 17; 33.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels
                    93.3%;
                  Best Local Similarity 93.3
Matches 14; Conservative
     Query Match
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1259 GGGTAGCCATGCTGG 1273 15 degreeccarected 1 ઠ 원

ABK24955 standard; DNA; 17 BP (first entry) 09-APR-2002 ABK24955; RESULT 396 ABK24955/ 

Porphyric herbicide resistance genome altering oligonucleotide #15.

Chromosomal genomic alteration; genome altering oligonucleotide; PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; bNA repair; DNA alteration; environmental tolerance; hygromycin-B; abiotic stress tolerance; improved nutritional value; hygromycin, primer; amino acid over production; herbicide resistance; glyphosate resistance; imidazolinone herbicide resistance; sulphonylurea herbicide resistance; porphyric herbicide resistance; sulphonylurea herbicide resistance; modified oil production; modified starch production; waxy starch; and altered floral morphology; male-sterile plant; albino mutant; modified fatty acid content; reduced plant; abino mutant; increased stearate production; reduced linolenic acid production; photosynthetic process

Spinacia oleracea Synthetic.

WO200192512-A2.

06-DEC-2001

01-JUN-2001; 2001WO-US017672.

30-OCT-2000; 2000US-0244989P. 27-MAR-2001; 2001US-00818875. 01-JUN-2000; 2000US-0208538P.

UYDE ) UNIV DELAWARE.

Kim J; Rice MC, Gamper HB, Kmiec EB,

WPI; 2002-106307/14.

The invention relates to an oligonuclectide for targeted alteration of a genetic sequence, which comprises a single-stranded oligonuclectide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modifications of the oligonuclectide. The chemical modifications of the oligonuclectide. The chemical modifications of the oligonuclectides are useful for more of these modifications. The oligonuclectides are useful for a directing repair or alteration of plant genetic information. The oligonuclectides are particularly useful for creating plants with desired the original value (e.g. altering amino acid content of plants or conferring amino acid content of plants or conferring amino acid one of content of plants or conferring amino acid over production, herbicide resistance, imidazolinone and sulphomylurea herbicide conferring cannow of disease resistance, imidazolinone and sulphomylure herbicide conferring conferring conferring mino acid one to triazine resistance), altered floral content of e.g. increased starch or production of waxy starch), altered floral corphology (e.g. male-sterile plants) or modified fatty acid content of e.g. increased starch or production of waxy starch), altered floral corphology (e.g. male-sterile plants) or modified fatty acid content of e.g. endlocations are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome contenting oligonucleotide of the invention ö nuclease-resistant termini, useful for New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil Gaps ö 0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; ative 0; Mismatches 1; Indels Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other; Claim 7; Page 63; 220pp; English. 484 CAGCTGCCATTGGCG 498 14; Conservative 17 CAGCTGCCATTGGTG Sest Local Similarity production. Query Match Matches

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ABK27023 standard; DNA; 17 BP. RESULT 397 ABK27023/

09-APR-2002 (first entry)

ABK27023;

Increased stearate production genome altering oligonucleotide #159.

Chromosomal genomic alteration; genome altering oligonucleotide; PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin-box abiotic stress tolerance; improved nutritional value; hygromycin; primer; amino acid over production; herbicide resistance; glyphosate resistance; imidazolinone herbicide resistance; sulphonylurea herbicide resistance; porphyric herbicide resistance; triazine resistance; disease resistance; altered floral morphology; male-sterile production; waxy starch; altered floral morphology; male-sterile plant; albino mutant; modified fatty acid content; reduced plant; albino mutant; increased stearate production; reduced linolenic acid production; photosynthetic process. 

Oryza sativa Synthetic WO200192512-A2.

06-DEC-2001.

01-JUN-2001; 2001WO-US017672.

oleracea.

Synthetic.

WO200192512-A2. 06-DEC-2001.

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The invention relates to an oligonuclectide for targeted alteration of a genetic sequence, which comprises a single-stranded oligonuclectide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modification, an LNA modification, two or more consist of o-methyl modification, an LNA modification, two or more phosphorothicate linkages on a terminus, or a combination of any two or more of these modifications. The oligonucleotides are useful for configuration repeats or alteration of plant genetic information. The oligonucleotides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved nutritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. glyphosate resistance, imidazolinone and sulphonylurea herbicide resistance, indiazolinone and sulphonylurea herbicide sensitance, conferring amino acid oll production, modified starch production (e.g. increased starch or production, modified starch production (e.g. increased starch or production of waxy starch), altered floral morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced palmitete, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing albino mutants for the analysis of photosynthetic processes. This sequence represents a genome altering oligonucleotide of the invention
                                                                                                                                                                                                                                                       oligonucleotides with modified nuclease-resistant termini, useful for
                                                                                                                                                                                                                                                                               creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
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01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
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                                                                                                 (UYDE ) UNIV DELAWARE
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Sequence 17 BP; 3 A; 1 C; 8 G; 5 T; 0 U; 0 Other;

Gaps . 0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; 1, Indels 0; Mismatches 93.3%; 14; Conservative Local Similarity Query Match Best Loca Matches

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ABK24956 standard; DNA; 17 BP ABK24956; 398 ABK24956

Porphyric herbicide resistance genome altering oligonucleotide #16. (first entry) 09-APR-2002

Chromosomal genomic alteration; genome altering oligonucleotide; PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; DNA repair; DNA alteration; environmental tolerance; hygromycin-B; ablocic stress tolerance; improved nutritional value; hygromycin-B; amino acid over production; herbicide resistance; glyphosate resistance; imidazollanome herbicide resistance; sulphonylurea herbicide resistance; porphyric herbicide resistance; triazine resistance; modified oil production; modified starch production; waxy starch; altered floral morphology, male-sterile plant; albino mutant; doubdited fatty acid content; reduced palmitate production; albino plant; increased stearate production; reduced linolenic acid production; photosynthetic process. 

The invention relates to an oligonucleotide for targeted alteration of a genetic sequence, which comprises a single-stranded oligonucleotide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modifications of the oligonucleotide. The chemical modifications of the oligonucleotide. The chemical modifications of the oligonucleotides are useful for more of these modifications. The Oligonucleotides are useful for a combination of any two or more of these modifications. The Oligonucleotides are useful for cliffordides are particularly useful for creating plants with desired phenotypes, e.g. environmental or ablotic stress tolerance, improved nutritional value (e.g. altering amino acid content of plants or conferring amino acid content of plants or conferring amino acid content of plants or conferring amino acid on the oligonucleotide resistance or triazine resistance, imidazolinone and sulphomylurea herbicide conferring cannot be prophyric herbicide resistance or triazine resistance), altered floral corporation of ways starch), altered floral corporation of plants or modified fatty acid content of e.g. increased starch or production of ways starch), altered floral corporation of plants or modified fatty acid content of e.g. increased starch or production of ways starch), altered floral corporation of wall sequence represents a genome and allosing oligonucleotides are also useful for production analysis of photosynthetic processes. This sequence represents a genome analysis of photosynthetic processes. This sequence represents a genome of altering oligonucleotide of the invention ö New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil Gape ö Length 17; 1, Indels Sequence 17 BP; 3 A; 4 C; 6 G; 4 T; 0 U; 0 Other; Query Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Fred. No. 1.7e+02;
Matches 14; Conservative 0; Mismatches 1; Kim J; Claim 7; Page 63; 220pp; English. Rice MC, 01-JUN-2000; 2000US-0208538P. 30-OCT-2000; 2000US-0244989P. 27-MAR-2001; 2001US-00818875. 01-JUN-2001; 2001WO-US017672 484 CAGCTGCCATTGGCG 498 14; Conservative Kmiec EB, Gamper HB, (UYDE ) UNIV DELAWARE. VPI; 2002-106307/14. production ઠ g

ABK27024 standard; DNA; 17 BP. 1 caecreccarregre 15 RESULT 399 ABK27024

Increased stearate production genome altering oligonucleotide #160. 09-APR-2002 (first entry)

ABK27024;

Chromosomal genomic alteration; genome altering oligonucleotide; PCR; ss; o-methyl modification; LNA modification; phosphorothioate linkage; 

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The invention relates to an oligonucleotide for targeted alteration of a genetic sequence, which comprises a single-stranded oligonucleotide having a DNA domain. The DNA domain has at least one mismatch with respect to the genetic sequence to be altered and further comprises chemical modifications of the oligonucleotide. The chemical modifications of the oligonucleotide. The chemical modifications on a terminus, or a combination of any two or more phosphorothicate linkages on a terminus, or a combination of any two or more of these modifications. The oligonucleotides are useful for consist of these modifications. The oligonucleotides are particularly useful for creating plants with desired phenotypes, e.g. environmental or abiotic stress tolerance, improved nutritional value (e.g. altering amino acid content of plants or conferring amino acid over production), herbicide resistance (e.g. altering amino acid content of plants acid content (e.g. increased starch or production), herbicide resistance), disease resistance, modified oil production, modified starch production (e.g. increased starch or production of waxy starch), altered floral morphology (e.g. male-sterile plants) or modified fatty acid content (e.g. reduced palmitate, increased stearate or reduced linolenic acid). The oligonucleotides are also useful for producing abbino mutants for the analysis of photosynthetic processes. This sequence represents a genome
                   abiotic stress tolerance; improved nutritional value; hygromycin; primer; amino acid over production; herbicide resistance; glyphosate resistance; imidazolinone herbicide resistance; sulphonylurea herbicide resistance; porphyric herbicide resistance; triazine resistance; modified oil production; modified starch production; waxy starch; modified floral morphology; male-sterile plant; albino mutant; modified fatty acid content; reduced palmitate production; albino plant; increased stearate production; reduced linolenic acid production; photosynthetic process.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New oligonucleotides with modified nuclease-resistant termini, useful for creating plants with desired phenotypes, e.g. stress tolerance, improved nutritional value, herbicide or disease resistance, or modified oil
repair; DNA alteration; environmental tolerance; hygromycin-B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 5 A; 8 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           altering oligonucleotide of the invention
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Rice MC,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                              01-JUN-2000; 2000US-0208538P.
30-OCT-2000; 2000US-0244989P.
27-MAR-2001; 2001US-00818875.
                                                                                                                                                                                                                                                                                                                                                                                                                                 01-JUN-2001; 2001WO-US017672.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Gamper HB,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WPI; 2002-106307/14.
                                                                                                                                                                                                                                                                                                                                   WO200192512-A2
                                                                                                                                                                                                                                                                 Oryza sativa.
                                                                                                                                                                                                                                                                                                                                                                                     06-DEC-2001
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Kmiec EB,
                                                                                                                                                                                                                                                                                         Synthetic
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; 0 Gaps ; 0 0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indels Best Local Similarity 93.3 Matches 14; Conservative

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Gaps

; 0

967

953 TCTGTGTTCCTGTCT

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363 CACCATCTACCACAT 377

1 CACCATCTACGACAT 15 ð

RESULT 400 ABT35342

ADB03627 standard; DNA; 17 BP.

RESULT 401 ADB03627/c

The invention relates to a novel isolated 17 mer nucleic acid sequence, given in the specification, a sequence containing at least 15 consecutive nucleotides from the 17 mer sequence, a sequence with, after optimal anignment, at least 80 % identity to the 17 mer sequence, a sequence that hypidizes to them under highly stringent conditions, or the complement of any of them, or the corresponding RNA. The novel isolated nucleic acids of the invention are useful as probes and primers for detecting, identifying, quantifying and/or amplifying a nucleic acid, e.g. as one production of recombinant polypeptides. Any of the nucleic acid, production of recombinant polypeptides. Any of the nucleic acids, polypeptides, vectors containing the nucleic acids, cells containing the preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tunnours or cell Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; gene chip; antisense; sense; tumour; cell degeneration; cancer; Alzheimer's disease; schizophrenia; protein chip; gene therapy; tumour suppression; degeneration, specifically cancer but also Alzhaimer's disease and schizophrenia. Analysis of the expression of the 17 mer nucleic acids in patient samples is useful for disquests and/or prognosis of these diseases. The polypeptides can also be used to generate antibodies, and both the polypeptide and antibodies are useful as components of protein chips. The nucleic acid sequences of the invention can be used in gene therapy. This polymucleotide sequence represents a tumour suppression related human fukutin oligonucleotide of the invention New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies Tumour suppression related human fukutin oligo SEQ ID No 979. 0.9%; Score 13.4; DB 1; Length 17; 13.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels Sequence 17 BP; 1 A; 5 C; 4 G; 7 T; 0 U; 0 Other; Disclosure; Page 147; 720pp; French Tuijnder M; ABT35342 standard; DNA; 17 BP. (MOLE-) MOLECULAR ENGINES LAB. 17-SEP-2001; 2001FR-00011978. 17-SEP-2002; 2002WO-IB004208 93.38; 12-JUN-2003 (first entry) Local Similarity 93.3 nes 14; Conservative and transfected cells. Telerman A, Amson R, WPI; 2003-313353/30. WO2003025175-A2. fukutin; Homo sapiens 27-MAR-2003. ABT35342; Query Match Best Loca Matches human 

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chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer; developmental disorder; ss.
                                                                                                                    30-JUL-2002; 2002EP-00016874.
                                                                                                                                            02-AUG-2001; 2001US-00922181
                                                                                                                                                                      (AEOM-) AEOMICA INC
                                     Homo sapiens
                                                                  EP1281758-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Homo sapiens
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                                                                                            05-FEB-2003.
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                                                                                                                                                                                                Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12
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                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MD23, MD24, MD27, MD212. MD23 is cncoded at chromosome 7q22.1, MD24 is encoded at chromosome 16p11.2 and MD212 is encoded at chromosome 16p12.3 and MD21, encoded at chromosome 16p12. and MD212, especially mD212, especially more activity of MD23. MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic caused by altered expression of MD23, MD24, MD27, or MD212. The nucleic acids and also be used as probes to detect and characterize gross alterations in MD23, MD24, MD27, or MD212, encoded and probes are useful in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as proteins. The present sequence was used to illustrate the invention.
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                                                                             Cytostatic; immunostimulant; gene therapy; vaccine; human;
zinc finger protein; MDZ3; MDZ4; MDZ7; MDZ1; chromosome 7q22.1;
chromosome 6p21.3-22.2; chromosome 16p11.2; chromosome 15q26.1; cancer;
developmental disorder; ss.
                                                                                                                                                                                                                                                                                                                                                      New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; vative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 17 BP; 2 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
                                                    Human MDZ7 scanning oligonucleotide SEQ ID 4613
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human MDZ7 scanning oligonucleotide SEQ ID 4615.
                                                                                                                                                                                                                                                                                                                                                                                                                        Example 8; SEQ ID NO 4613; 103pp; English
                                                                                                                                                                                                                                                                                                                                                                                               MDZ4, MDZ7 or MDZ12, e.g. cancer
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                                                                                                                                                                                                                                                  02-AUG-2001; 2001US-00922181
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                                                                                                                                                                                                                                                                                                     Shannon M, Gu Y, Nguyen C;
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                           20-NOV-2003 (first entry)
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nes 14; Conservative
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                                                                                                                                                                                                                                                                            (AEOM-) AEOMICA INC
                                                                                                                                              Homo sapiens
                                                                                                                                                                      EP1281758-A2
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proteins and their coding sequences: MD23, MD24, MD212. MD23 is encoded at chromosome 7q22.1, MD24 is encoded at chromosome 7q22.1, MD24 is encoded at chromosome 6p21.3-22.2, MD27 is encoded at chromosome 16p11.2 and MD212 is encoded at chromosome 15q26.1. The MD23, MD24, MD27, and MD212 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MD23, MD24, MD27, or MD212, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease acids can also be used as probes to detect and characterize gross alterations in MD23, MD24, MD27, or MD212. The nucleic useful in constructing microarrays for measuring gene expression. The probes are useful as therapoutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
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                                                                                                                                                                          New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention relates to novel human zinc finger-containing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 2 A; 9 C; 2 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                                                                                                                                                                                                              Example 8; SEQ ID NO 4615; 103pp; English.
                                                                                                                                                                                                                                                                                                           MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ADB03628 standard; DNA; 17 BP
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Nguyen C;
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                                                                                       WPI; 2003-423107/40.
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Gu Y,
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26-MAR-2001; 2001US-00817879.
08-JUN-2001; 2001US-00877478.
08-JUN-2001; 2001US-0296876P.
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05-DEC-2001; 2001US-0337055P
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BLATT L.
MACEJAK D.
MCSWIGGEN J.
MORRISSEY D.
PAVCO P.
                          WPI; 2003-140484/13.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Hepatitis C virus
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  Mcswiggen J;
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(BLAT/)
(MACE/)
(MCSW/)
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(PAVC/)
                                                                                                                                                                                                                                                                                                                                                                                                                                 RESULT 405
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         The present invention relates to novel human zinc finger-containing proteins and their coding sequences: MDZ3, MDZ4, MDZ12, MDZ3 is cancoded at chromosome 7422.1, MDZ4 is encoded at chromosome 7422.1, MDZ4 is encoded at chromosome 6921.3-22.2, MDZ7 is encoded at chromosome 1691.2 and MDZ12 is encoded at chromosome 1592.1. The MDZ3, MDZ4, MDZ7, and MDZ12 sequences are useful in therapy, or in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4. MDZ7, or MDZ12, e.g. cancer or developmental disorders. The nucleic acids and proteins are also useful for diagnosing or monitoring a disease caused by altered expression of MDZ3, MDZ4, MDZ7, or MDZ12. The nucleic acids can also be used as probes to detect and characterize gross alterations in MDZ3, MDZ4, MDZ7, or MDZ12 genetic locus. The probes are protein in constructing microarrays for measuring gene expression. The proteins are useful as therapeutic agents for gene therapy or as vaccines. The present sequence was used to illustrate the invention.
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                                                                                                                                     New zinc finger-containing proteins and nucleic acids, useful in manufacturing a medicament for treating or preventing a disorder associated with decreased or increased expression or activity of MDZ3, MDZ4, MDZ7 or MDZ12, e.g. cancer.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Human, ribozyme; short interfering RNA; siRNA; HER2; K-Ras;
enzymatic nucleic acid; H-Ras; N-Ras; HIV; cytostatic; anti-HIV;
anti-rheumatic; cancer; AIDS; ss.
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                                                                                                                                                                                                   Example 8; SEQ ID NO 4614; 103pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Human HER2 DNAzyme substrate #729.
             30-JUL-2002; 2002EP-00016874.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 29-MAY-2001; 2001US-0294140P. 06-JUN-2001; 2001US-0296249P. 10-SEP-2001; 2001US-0318471P.
                                    02-AUG-2001; 2001US-00922181
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         741 GAGAGGCTGTGCC 755
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                                                                                     Gu Y, Nguyen C;
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nes 14; Conservative
                                                                                                               WPI; 2003-423107/40.
                                                             (AEOM-) AEOMICA INC
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                                                                                      Shannon M,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-MAR-2003
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Matches
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Procession of a nucleic acid useful for treating than and enzymatic nucleic acid useful for treating cancer, modulates the expression of a nucleic acid encoding treating cancer, modulates the expression of a nucleic acid encoding treating cancer, modulates the expression of a nucleic acid encoding treating cancer, modulates the expression of a nucleic acid encoding that an immunofeticing relates to a novel short interfering RNA (sixNA) nucleic captession of a nucleic acid acid encoding that an immunofeticlery virtue modulates to encoding them to the nucleic acid acid molecule of the invention has overgreated and subtility, and anti-incomplete acid molecule activity. The nucleic acid subtility and anti-incomplete acid molecule activity. The nucleic acid subtility and anti-incomplete acid molecule activity. The nucleic acid acid acid acid for the invention has overgreated acid molecule activity in a cell. The nucleic acid acid acid molecule activity in a cell. The nucleic acid acid acid molecule acid for acid molecule activity in a cell. The nucleic acid acid acid molecule acid molecule acid molecule acid molecule acid molecule acid molecule acid molecule. Acid molecule frequence acid molecule frequence acid molecule frequence acid molecule aci
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WPI; 2003-333167/31
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ID ACC6
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                                                                                                                                                                                                                                                                               The present interaction tradeces accordingly of Hepatitis C. virus (HCV) or Hepatitis B virus (HBV) RNA. The nucleic acid molecules include antisense and enzymatic nucleic acids such as hammerhead ribozymes. DAZymes. C. inozymes, zinzymes, amberzymes, and enzymes, and enzymes. DAZymes. The nucleic acid decoy molecules and getamers that bind to HBV reverse transcriptase primer sequences, as well are nucleic acid decoy molecules and aptamers that bind to HBV reverse transcriptase primer sequences, as well as oligonucleotides that specifically bind the Enhancer I region of HBV DNA. The nucleic acids may be used to modulate the expression of HBV COMPOUNDS and HBV viral replication. Also disclosed is a method for screening compounds and/or potential therapies directed against HBV, and compounds that modulate the expression and/or replication of HCV. The compounds and disease states related to HBV and HCV infection, replication and gene expression according to the treatment of degenerative and disease states related to HBV and HCV infection, replication and gene expression such as cirrhosis, liver failure, and hepatocellular carcinoma. The present sequence represents a substrate for one of the HCV pression or minus strand DNAzyme sequences disclosed in the present
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ö
                                                                                                                                                           Novel compound useful for treating cirrhosis, liver failure, hepatocellular carcinoma, or condition associated with hepatitis C virus infection.
                                                                                                                                                                                                                                                                       The present invention relates to nucleic acid molecules which modulate
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                                                                          Pavco
                                                                        Morrissey D,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 17 BP; 3 A; 7 C; 3 G; 0 T; 4 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
                                                                        Mcswiggen J,
                                                                                                                                                                                                                                    Claim 1; Page 259; 387pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       14; Conservative
                                                                     Blatt L, Macejak D,
Draper K, Roberts E,
                                                                                                                       WPI; 2003-229207/22
(LEEP/) LEE P.
(DRAP/) DRAPER K.
(ROBE/) ROBERTS E.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Invention
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tumour suppression; tumour reversion; apoptosis; virus resistance; viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                          Cytostatic; virucide; neuroprotective; nootropic; neuroleptic; murine;
                                                                                                                                                                                                                                                                                                                                                                                               Murine oligonucleotide associated with tumour supression, SEQ ID 2780
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135 GGAGGCTGTGAAGGC 149
                                                                                                                                                                                                       ACC65533 standard; DNA; 17
                                                        17 GGAGGCTGTGAATGC 3
                                                                                                                                                                                                                                                                                                                                 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     schizophrenia; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     WO2003025176-A2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Mus musculus.
                                                                                                                                                                                                                                                                                                                                    01-JUL-2003
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                                                                                                                                                                                                                                                                         ACC65533;
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ACC65533 RESULT

Telerman A, Amson R, Tuijnder M;

(MOLE-) MOLECULAR ENGINES LAB

17-SEP-2002; 2002WO-IB004210 17-SEP-2001; 2001FR-00011979

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                                                                                                                                                        ACC6886), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying a quantifying and/or amplifying nucleic acid, e.g. as one component of sene chip, in vitro as (anti) sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia
New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tumour suppression; tumour reversion; apoptosis; virus resistance;
viral disease; tumour; cell degeneration; cancer; Alzheimer's disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Murine oligonucleotide associated with tumour supression, SEQ ID 4204
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                The present invention relates to murine oligonucleotides (ACC62754-ACC6806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Gaps
                                                                                                                                          The present invention relates to murine oligonucleotides (ACC62754-
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                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 17;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 13.4; DB 1;
93.3%; Pred. No. 1.7e+02;
ative 0; Mismatches 1;
                                                                                               Disclosure, Page 356; 738pp, French
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      928 TATGCCTGCTTCATC 942
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           01-JUL-2003 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           schizophrenia;
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16 ATTTGGAGAAAGGAT 2

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RESULT 40
ADB43973/
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gene chip; in vitro as (anti)sense reagents; and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaceuticals for prevention and/or treatment of viral diseases that are characterised by development of tumours or cell degeneration, specifically cancer but also Alzheimer's disease and schizophrenia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     The present invention relates to murine oligonucleotides (ACC62754-ACC68806), which are associated with tumour suppression, tumour reversion, apoptosis and virus resistance. The oligonucleotides are useful as (1) as probes and primers for detecting, identifying, quantifying and/or amplifying nucleic acid, e.g. as one component of a gene oflip, in virto as (anti) sense reagents, and (2) for production of recombinant polypeptides. The oligonucleotides are useful for preparation of pharmaccuticals for prevention and/or treatment of viral diseases that
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies
                                                                                                                                                                                                                                                                                                                                            Cytostatic, virucide, neuroprotective, nootropic, neuroleptic, murine, tumour suppression, tumour reversion, apoptosis, virus resistance, viral disease, tumour, cell degeneration, cancer, Alzheimer's disease,
                                                                                                                              Gaps
                                                                                                                                                                                                                                                                                                                    Murine oligonucleotide associated with tumour supression, SEQ ID 29.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      specifically cancer but also Alzheimer's disease and schizophrenia
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                                                                                                 0.9%; Score 13.4; DB 1; Length 17; 33.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.4; DB 1; Length 17; 13.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          of tumours or cell
                                                                            Sequence 17 BP; 4 A; 5 C; 5 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 17 BP; 4 A; 5 C; 2 G; 6 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure; Page 34; 738pp; French.
                                                                                                                                                                                                                                            ACC62782 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (MOLE-) MOLECULAR ENGINES LAB
                                                                                                             93.3%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              17-SEP-2001; 2001FR-00011979,
                                                                                                                                                     322 AAGTCCCTGCTTGAT 336
                                                                                                                                                                            16 AAGGCCCTGCTTGAT 2
                                                                                                                                                                                                                                                                                              (first entry)
                                                                                                              Local Similarity 93.3 es 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            characterised by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 2003-333167/31.
                                                                                                                                                                                                                                                                                                                                                                                    schizophrenia, ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                    402003025176-A2.
                                                                                                                                                                                                                                                                                                                                                                                                           Mus musculus.
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                                                                                                                                                                                                                                                                   ACC62782;
                                                                                                     Query Match
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Matches
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The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, requence that hybridizes under stringent conditions with the nucleotides, requences, or the complement, or corresponding RNA, of the incleotides, remembered and some sequences, or mucleotides as in vitro sense and antisense sequences, of nucleotides involved in tumour suppression or reversion, apoptosis and or viral resistance, to produce suppression or reversion, apoptosis and or viral resistance, to produce recombinant polypeptides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them and calls containing the vectors), the encoded polypeptides and antibodies (Ab) against the polypeptide are useful for prevention and/or treatment of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
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                                                                                                                                                                                                                                                                                                                                            cytostatic; antiviral; neuroprotective; nootropic; neuroleptic; ss; primer; probe; tumour suppression; tumour reversion; apoptosis; virus resistance; transgenic animals; Alzheimer's disease; schizophrenia;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  or cell degeneration (e.g. Alzheimer's disease or schizophrenia).
Analysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
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                                                                                                                                                                                                                                                                    Tumour suppression/reversion associated nucleotide #4296.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 3 A; 7 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Disclosure; Page 534; 771pp; French.
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ADB43973 standard; DNA; 17 BP.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-SEP-2002; 2002WO-IB004219.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 useful e.g. for treatment o
polypeptide and antibodies.
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                                                                                                                                                                                            (first entry)
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                                                                                                                                                        (revised)
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nes 14; Conserv
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                                                                                                                                                                                        04-DEC-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                diagnosis.
                                                                            ADB43973;
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Gaps

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Local Similarity 93.3%; Pr

Matches

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1113 ATTTGGAGACAGGAT 1127

ss; gene therapy; vaccine; sodium/hydrogen exchanger like protein; NHBLP1; passive replacement therapy; vaccine; diagnosis.

Homo sapiens. EP1273660-A2 08-JAN-2003. 30-JAN-2001; 2001WO-US000666. 23-MAY-2001; 2001US-00864761. 21-DEC-2001; 2001US-0343331P.

(AEOM-) AEOMICA INC

Gu Y;

25-JAN-2002; 2002EP-00001160.

Human Na/H exchanger-like protein 1 gene oligonucleotide #80.

18-DEC-2003 (first entry)

ADC03633;

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cytostatic, antiviral, neuroprotective, nootropic, neuroleptic, ss;
primer, probe, tumour suppression, tumour reversion, apoptosis;
virus resistance, transgenic animals, Alzheimer's disease, schizophrenia,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention relates to the isolation of 6327 nucleotide sequences, fragments of at least 15 consecutive nucleotides of these nucleotides, a sequence having at least 80% identity, after optimal alignment, with the nucleotides, a sequence that hybridizes under stringent conditions with the nucleotides, or the complement, or corresponding RNA, of the nucleotides or under series or primers for detecting, identifying, quantifying and/or amplifying nucleic acids, as in vitro sense and antisense sequences, of nucleotides involved in tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  suppression or reversion, approais and or viral resistance, to produce recombinant polypetides, and to prepare transgenic animals, as experimental models. The nucleotides (also vectors containing them accels containing the vectors), the encoded polypeptides and antibodies of viral infections or diseases characterized by development of tumours or cell degeneration (e.g. Alzeamer's disease or schizophrenia).

Analysis of the expression of the nucleotides can be used for diagnosis and/or prognosis of these diseases. The nucleotides and polypeptides can also be used to screen for their specific interactive molecules, potentially useful for treating diseases associated with abnormal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    New nucleic acid encoding human prostate membrane-specific antigen, useful e.g. for treatment of tumors and viral infection, also related polypeptide and antibodies.
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33.3%; Pred. No. 1.7e+02;
lve 0; Mismatches 1; Indels
                                                                                                                                                                          Tumour suppression/reversion associated nucleotide #838.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 5 A; 5 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Disclosure; Page 130; 771pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tuijnder M;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             expression of the nucleotides.
                                      ADB40515 standard; DNA; 17 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              (MOLE-) MOLECULAR ENGINES LAB
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17-SEP-2001; 2001FR-00011981.
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                                                                                                                   (revised)
(first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Telerman A, Amson R,
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                                                                                                                                                                                                                                                                                                                Homo sapiens
                                                                                                               18-DEC-2003
04-DEC-2003
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                                                                                                                                                                                                                                                                           diagnosis.
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Best Local S:
Matches 14
                                                                           ADB40515;
RESULT 410
ADB40515/c
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The invention relates to a nucleic acid molecule which encodes a Na+/H+ exchanger like protein (NHELPI). The NHELPI nucleic acid molecule, NHELPI polypeptide, an antibody against the protein or its antignen-binding fragment is useful in therapy. The NHELPI nucleic acid molecule, NHELPI polypeptide and an agonist are particularly useful for manufacturing a medicament for treating or preventing a disorder associated with decreased expression or activity of human NHELPI. The antibody or its antigen-binding fragment, and an antagonist, are useful for manufacturing a medicament for treating or preventing a disorder associated with increased expression or activity of human NHELPI. The NHELPI nucleic acid or protein is useful as passive replacement therapy, as a vaccine, or in diagnostic methods. This sequence corresponds to a 17-mer oligonucleotide spanning the sequence of the human NHELPI gene (ADC03514).
                                                                                                                                                                                                                                                                                                                                                                                                                                                   New human sodium-hydrogen exchanger like protein 1 (NHELP1), useful as passive replacement therapy or as a vaccine for treating or preventing disorders associated with aberrant expression or activity of human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ss; gene therapy; vaccine; sodium/hydrogen exchanger like protein; NHELP1; passive replacement therapy; vaccine; diagnosis.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human Na/H exchanger-like protein 1 gene oligonucleotide #79
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  / Match 0.9%; Score 13.4; DB 1; Local Similarity 93.3%; Pred. No. 1.7e+02; nes 14; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Example 2; SEQ ID NO 120; 468pp; English
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                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 2003-302724/30
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Gaps ..

ADC03633 standard; DNA; 17 BP

RESULT 411 ADC03633/c ID ADC036

322 AAGICCCIGCTIGAT 336

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16 AAGTGCCTGCTTGAT 2

93.3%;

preparing

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The invention relates to a novel isolated nucleic acid that encodes a protein with a chromatin organisation modifier (CHROMO) domain. The polynucleotide of the invention demonstrates cytostatic activity and may be useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCPI (prostate cancer candidate protein 1), such as a tumour, as well as during gene therapy and vaccine production procedures. The current sequence is that of the human PCCPI-related DNA fragment SEQ ID 8-directed probe of the invention. Note: The current sequence is not shown within the specification per se but was retrieved from the Wipoweb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New prostate cancer candidate protein 1 (PCCP1), useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
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                                                                                                                                                             New prostate cancer candidate protein 1 (PCCP1), useful for prepary composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        prostate cancer candidate protein 1; tumour; gene therapy; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               chromatin organisation modifier; CHROMO domain; cytostatic; PCCP1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human PCCP1 DNA fragment SEQ ID 8-directed probe - SEQ ID 1982.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; ttive 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 2 A; 8 C; 3 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                               Example 2; SEQ ID NO 1981; 164pp; English
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                         AMSH ) AMERSHAM BIOSCIENCES SV CORP.
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Matches 14; Conservative
                                                                                                                     WPI; 2003-532916/50
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                                                                        Guo J;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 414
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             The invention relates to a nucleic acid molecule which encodes a Na+/H+ exchanger like protein (NHELP1). The NHELP1 nucleic acid molecule, NHELP1 polypeptide, an antibody against the protein of its antipan-binding fragment is useful in therapy. The NHELP1 nucleic acid molecule, NHELP1 polypeptide and an agonist are particularly useful for manufacturing a medicament for treating or preventing a disorder associated with decreased expression or activity of human NHELP1. The antibody or its antigan-binding fragment, and an antagonist, are useful for manufacturing a medicament for treating or preventing a disorder associated with increased expression or activity of human NHELP1. The NHELP1 nucleic acid or protein is useful as passive replacement therapy, as a vaccine, or in diagnostic methods. This sequence corresponds to a 17-mer oligonucleotide spanning the sequence of the human NHELP1 gene (ADC03514).
                                                                                                                                                                                                                                                                                                                                                                                                                             New human sodium-hydrogen exchanger like protein 1 (NHELP1), useful as passive replacement therapy or as a vaccine for treating or preventing disorders associated with aberrant expression or activity of human NHELP1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 13.4; DB 1; Length 17; 13.3%; Pred. No. 1.7e+02; ve 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 7 A; 1 C; 5 G; 4 T; 0 U; 0 Other;
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                                                                                                                                                                                                          23-MAY-2001; 2001US-00864761.
21-DEC-2001; 2001US-0343331P.
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                                                                                                                                                                                         30-JAN-2001; 2001WO-US000666
                                                                                                                                         25-JAN-2002; 2002EP-00001160
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Best Local Similarity 93.33
Matches 14; Conservative
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                                                                                                                                                                                                                                                                                   (AEOM-) AEOMICA INC
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Homo sapiens
                                             EP1273660-A2
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RESULT 41 ADF64077/

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protein with a chromatin organisation modifier (CHROMO) domain. The polynucleotide of the invention demonstrates cytostatic activity and may be useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCPI (prostate cancer candidate protein 1), such as a tumour, as well as eduring gene therapy and vaccine production procedures. The current sequence is that of the human PCCPI-related DNA fragment SEQ ID 8-directed probe of the invention. Note: The current sequence is not shown within the specification per se but was retrieved from the WipoWeb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 The invention relates to a novel isolated nucleic acid that encodes a protein with a chromatin organisation modifier (CHROWO) domain. The polynucleotide of the invention demonstrates cytostatic activity and may be useful for preparing a composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 (prostate cancer candidate protein 1), such as a tumour, as well as sequence is that of the human PCCP1-related DNA fragment SEQ ID 8-directed probe of the invention. Note: The current sequence is not shown within the specification per se but was retrieved from the Wipoweb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New prostate cancer candidate protein 1 (PCCP1), useful for preparing composition for treating or preventing a disorder associated with decreased or increased expression or activity of PCCP1 e.g., tumor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                chromatin organisation modifier, CHROMO domain; cytostatic, PCCP1, prostate cancer candidate protein 1; tumour; gene therapy; vaccine;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human PCCP1 DNA fragment SEQ ID 8-directed probe - SEQ ID 1983.
                                                                                                                                                                                                                                                                    Match 0.9%; Score 13.4; DB 1; Length 17; Local Similarity 93.3%; Pred. No. 1.7e+02; Les 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                Sequence 17 BP; 3 A; 8 C; 3 G; 3 T; 0 U; 0 Other;
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ADF64079 standard; DNA; 17
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in the phenomena of tumour suppression, tumour reversion, apoptosis and/or resistance to viruses. The invention may be useful for the covelopment of compounds with a cytostatic, virucide, neuroprotective, nootropic or neuroleptic activity. The DNA sequences may be useful as probes and primers for detecting, indentifying, quantifying and/or amplifying nucleic acid, for example as one component of a gene chip, in viro as antisense reagents and for production of recombinant polypeptides. The invention may therefore be useful for preparation of polypeptides. The invention and/or treatment of viral diseases that are characterised by development of tumours or call degeneration, specifically cancer but also Alzheimer's disease and schizophrenia. The present sequence data for this patent did not form part of the printed specification, but was obtained in electronic format directly from WIPO
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                                                                                                                                                                                                                                                                                                                            tumour suppression; tumour reversion; apoptosis; virus resistance; cytostatic; virucide; neuroprotective; nootropic; neuroleptic; probe; primer; PCR; gene chip; antisense; viral disease; tumour; cert degeneration; cancer; Alzheimer's disease; schizophrenia; de; human.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated nucleic acid, useful for treating viral diseases associated with tumors and cell degeneration, also related polypeptides, antibodies and transfected cells.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      This invention relates to novel isolated nucleic acid sequences involved
                                Gaps
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 1.76+02;
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93.3%; Pred. No. 1.7e+02;
live 0; Mismatches 1;
            Pred. No. 1.76
); Mismatches
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93.3%; Pre.
                                                                                                                                                                                      BP.
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                                                               1182 GAACGTGGTGGTCCA 1196
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                                                                                                                                                                                                                                                           (first entry)
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                                14; Conservative
                                                                                                 15 GAACGTGGTGGGCCA
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              Local Similarity
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              Best Loca
Matches
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0.9%; Score 13.4; DB 1; Length 17;

Query Match

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allergy; asthma; allergic rhinitis; atopic dermatitis; human PKR;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              substrate sequence.
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                                                               WO200281628-A2.
               substrate; ds
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                                      Unidentified
                                                                                        17-OCT-2002
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                                                                                                                                                                                                                Blatt L,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 419
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADK13282
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
                                                                                                                                                                                                                                                                                                                                                                             New nucleic acid sequences associated with tumor suppression, regression, apoptosis or virus resistance are useful to diagnose and treat viral disease, development of tumor cells and cell degeneration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 antisense oligonucleotide; neurite growth inhibitor; NOGO; prostaglandin D2 receptor; PTGDR; IkappaB kinase; IKK; ppoteni kinase PKR; cerebrovascular accident; centerial kinase PKR; cerebrovascular accident; centeral nervous system injury; CNS injury; spinal cord injury; cancer; melanoma; lymphoma; glioma; inflammatory disease; rheumatoid arthritis; restenosis; asthma; Crohn's disease; diabetes; obesity; autoimmune disease; lupus; multiple sclerosis; transplant rejection; graft rejection; ischaemia; reperfusion; glomerulonephritis; sepsis;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  with tundur suppression or regression, apoptosis or virus resistance. invention relates to these sequences or sequences having at least 80% identity to them, and polypeptides encoded by the sequences or polypeptides having 80% identity to the polypeptide sequences. The invention is used to diagnose or treat viral disease or disease characterized by development of tumour cells or cellular degeneration
                                                                                                                                                                                                                                                                                                                                                                                                                                                    This sequence represents an isolated nucleic acid sequence associated with tumour suppression or regression, apoptosis or virus resistance.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Gaps
                                                                                                               ss; cumour suppressor; antitumour; cytostatic; tumour suppression; tumour regression; apoptosis; virus resistance; diagnosis; cellular degeneration.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       .
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 0.9%; Score 13.4; DB 1; Length 17; Best Local Similarity 93.3%; Pred. No. 1.7e+02; Matches 14; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 17 BP; 5 A; 5 C; 4 G; 3 T; 0 U; 0 Other;
                                                                                                      Human tumour suppressor sequence #176.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human PKR substrate sequence #1840.
                                                                                                                                                                                                                                                                                                                                Amson R;
                                                                                                                                                                                                                                                                                                        (MOLE-) MOLECULAR ENGINES LAB SA.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim 1; Page 81; 798pp; French.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADL50726 standard; RNA; 17 BP
                               ACC51409 standard; DNA; 17 BP
                                                                                                                                                                                                                                                       20-JUN-2001; 2001FR-00008139.
                                                                                                                                                                                                                                                                             20-JUN-2001; 2001FR-00008139.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 322 AAGTCCCTGCTTGAT 336
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        16 AAGTGCCTGCTTGAT 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (first entry)
                                                                               (first entry)
                                                                                                                                                                                                                                                                                                                                 Telerman A,
                                                                                                                                                                                                                                                                                                                                                        WPI; 2003-250498/25
                                                                                                                                                                                                        FR2826373-A1
                                                                                                                                                                                Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     20-MAY-2004
                                                                                                                                                                                                                                                                                                                                 Puijnder M,
                                                                               27-JUN-2003
                                                                                                                                                                                                                                 27-DEC-2002
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                                                       ACC51409;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 418
       RESULT 417
                    ACC51409/c
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The invention comprises mucleic acids (e.g. antisense oligonucleotides)

that down regulate the expression or inhibit the function of a receptor

for a neurite growth inhibitor, NOGO, prostaglandin D2 receptor (FTGDR),

IkappaB kinase (IKK), or protein kinase FKR. The nucleic acids of the

invention are useful for treating: cerebrovascular accident, central

invention are useful for treating: cerebrovascular accident, central

conervous system (CKS) inflammatory disease (e.g. rheumatoid arthritis,

lymphoma or gliona), inflammatory disease (e.g. rheumatoid arthritis,

restenosis or asthma), Crohn's disease, diabetes, obesity, autoimmune

clisease, lupus, multiple sclerosis, transplant/graft rejection,

ischaemia/reperfusion injury, glomerulonephritis, sepsis, and allergic

conditions (e.g. asthma, allergic rhinitis or atopic dermatitis). The

cucleic acids of the invention are also useful for down-regulating the

expression of a target gene and as a diagnostic tool to examine genetic

drifts and mutations within diseased cells or to detect the presence of a target RNA in a cell. The present RNA sequence represents a human PKR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Novel enzymatic nucleic acid that down-regulates expression of neurite growth inhibitor receptor, prostaglandin D2 receptor, IkappaB kinase or protein kinase PKR genes, for treating cancer and inflammatory disease.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       glioma; brain tissue; neoplastic; glioma endothelial marker; GEM; anticancer; antiglioma; immune response; cytostatic; multi-drug sensitive glioma; human; long tag; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ;
0
                                                                                                                                                                                                                                                                                                                                                 Fosnaugh K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human glioma endothelial marker (GEM) long tag SEQ ID NO:460
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.9%; Score 13.4; DB 1; Length 17; 73.3%; Pred. No. 1.7e+02; trive 3; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 8 A; 2 C; 4 G; 0 T; 3 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                     Chowrira B, Haeberli P, Mcswiggen J,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Claim 59; SEQ ID NO 4259; 317pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ADK13282 standard; DNA; 17 BP.
                                                                          05-APR-2001; 2001US-00827395.
29-MAY-2001; 2001US-0294412P.
28-AUG-2001; 2001US-0315315P.
03-APR-2002; 2002WO-US010512.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               297 GAAACAGAAAGTTTT 311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3 GAAACAGAAAGGUUU 17
                                                                                                                                                                                                                                                                 (RIBO-) RIBOZYME PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            20-MAY-2004 (first entry)
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Matches 11; Conservative
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The present invention describes a method (M1) for aiding in the diagnosis of glioma. (M1) involves detecting an expression product of at least one gene (I) in a first brain tissue sample (T) supported of being neoplastic, where (I) is chosen from any one of 255 genes (glioma chothelial markers (GEMs)) as given in specification, and comparing the expression of (I) in a second normal brain tissue sample (R), where increased expression of (I) in a second normal brain tissue sample (R), where increased expression of (I) in (T) relative to (R), identifies (T) as likely to be neoplastic. Also described: (1) antibody that specifically binds to a extracellular epitope; (2) antibody that specifically binds to a extracellular epitope; (2) antibody that specifically binds to a extracellular epitope; (2) dentifying (M3) a test compound with the cell which expresses (I), monitoring an expression product of the at least one gene and identifying test compound as a potential anticancer drug if it decreases the expression of at least one gene; (3) identifying (M4) a test compound with the cell which expresses mRNA of at least one gene; (2) identified by a tag as described above, monitoring mRNA of the gene, and identifying the test compound as a potential anticancer drug if it decreases the expression of at least one gene; (3) identifying (M5) at least one gene in a mammal, a protein compound with the cell which expresses mRNA of at least one gene in immune response to glioma involves administering to a mammal, a protein call, (I) have cytostatic activities, and can be used to triager immune centure of alignme in a mammal (M2) is useful for treating multipered by a calling in a mammal (M2) is useful for inducing an immune the analyse of a poince of a poince
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           drug sensitive glioma in a human. (MS) is useful for inducing an immune esponse to a glioma in a mammal who has had a glioma aurgically removed. The present sequence represents a human GEM long tag oligonucleotide, which is used in the exemplification of the
                                                                                                                                                                                                                                                                                                                                                                                                                                  Diagnosing glioma by detecting expression product of any one of 255 genes, glioma endothelial markers, in brain tissue sample suspected of being neoplastic, and comparing the expression with expression in normal brain tissue sample.
                                                                                                                                                                                                                                                                                                                   Lattera J, Walter K;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Example 2; SEQ ID NO 460; 114pp; English
                                                                                                                                                                                                                                                                                                                Madden SI, Wang CJ, Cook BP,
                                                                                                                                       15-AUG-2002; 2002US-0403390P.
01-APR-2003; 2003US-0458978P.
                                                                                    15-AUG-2003; 2003WO-US025614.
                                                                                                                                                                                                                           (GENZ ) GENZYME CORP.
(UYJO ) UNIV JOHNS HOPKINS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          response to a glioma in a glioma surgically remove
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                           26-FEB-2004
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0; Gaps 0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; ive 0; Mismatches 1; Indels Seguence 17 BP; 1 A; 4 C; 10 G; 2 T; 0 U; 0 Other; 14; Conservative Query Match Best Local Similarity Matches 14; Conserv

ADL82074 standard; DNA; 17 20-MAY-2004 (first entry) ADL82074; RESULT 420 ADL82074 X 2 X 5 X 8 X

BP

Human ER+ breast cancer differentially expressed sequence #44.

The invention relates to a composition which contains at least one vector (B) containing a nucleic acid (I) associated with breast cancer. The vector (B), also polypeptides (II) encoded by (I), are used for treatment of breast cancer. Arrays based on (I), (II), or their fragments, and (II) specific antibodies (Ab) are used to predict characteristics (e.g. invasiveness or stage) of breast cancer, and (I), or its fragments, are used to modulate characteristics of such cells; to identify breast cancer genes and to detect breast cancer (by detecting polymorphic nucleic acid or its products). The present sequence represents a human ER+ breast cancer differentially expressed sequence. ...... containing nucleic acid associated with breast cancer, useful for treating, diagnosing and characterizing breast cancer, also related polypeptides and antibodies. Gapa ö / Match 0.9%; Score 13.4; DB 1; Length 17; Local Similarity 93.3%; Pred. No. 1.7e+02; nes 14; Conservative 0; Mismatches 1; Indels gene therapy; ds; breast cancer; human; ER+ breast cancer Sequence 17 BP; 4 A; 8 C; 4 G; 1 T; 0 U; 0 Other; Claim 1; SEQ ID NO 45; 61pp; English. (LYNX-) LYNX THERAPEUTICS INC. 08-JAN-2003; 2003US-00339782. 09-JAN-2002; 2002US-0348053P. Goodman LJ, Bowen BA; WPI; 2004-069003/07. US2003166026-A1 Homo sapiens. 04-SEP-2003 Query Match Matches 

786 GATCCAGGCCCCCAG 800 ò

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ADI84166 standard; RNA; 17 BP GATCCAGGCACCCAG 15 ч ADI84166; 셤

DNAzyme substrate sequence #1412 03-JUN-2004 (first entry) 

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enzymatic nucleic acid, RNA cleavage; hepatitis C virus; HCV; infection; type I interferon; DNAzyme. Hepatitis C virus.

18-DEC-2000; 2000US-00740332. US2003125270-A1. 03-JUL-2003.

18-DEC-2000; 2000US-00740332 BLAT/) BLATT L.

MCSWIGGEN J. ROBERTS E. PAVCO P A. (MCSW/) I (ROBE/) I

gibbs026-3.rng

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                                                                                                                                                                                      Enzymatic nucleic acid molecules which specifically cleave RNA derived from hepatitis C virus (HCV), useful for the treatment of HCV infections, especially in combination with type I interferon therapy.
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                                                                                                                                                                                                                                                                                                                                                                            The invention relates to an enzymatic nucleic acid molecule which specifically cleaves RNA derived from hepatitis C virus (HCV), in which the binding arms of the enzymatic nucleic acid molecule comprises sequences complementary to any of the defined substrate sequences given in the specification. The nucleic acid molecule may be administered for the treatment of HCV infections, especially in combination with type I interferons. The present sequence represents a HCV DNAzyme substrate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mutant cell identification-related mutagenic oligonucleotide SeqID316.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant; amino acid production; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; Live 0; Mismatches 1; Indels
                                                            Macejack D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 17 BP; 3 A; 7 C; 3 G; 0 T; 4 U; 0 Other;
                                                                Pavco PA,
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                                                                                                                                                                                                                                                                                                                          Claim 1; SEQ ID NO 1412; 198pp; English
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                                                                Roberts E,
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07-MAR-2003; 2003US-0453360P.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   135 GGAGGCTGTGAAGGC 149
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN43647 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           17 GGAGGCTGTGAATGC 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   14; Conservative
                                                                   Blatt L, Mcswiggen J,
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                                                                                                                                WPI; 2004-031273/03
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Best Local Similarity
Matches 14; Conserv
(MACE/) MACEJACK D.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Spinacia oleracea
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This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abiotic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention relates to a novel method of identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method comprises identifying the desired sequence alteration in cells that have been selected for the presence of a selectable phenotype conferred by a concurrent oligonucleotide-directed sequence alteration at a second nucleic acid
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Mutant cell identification-related mutagenic oligonucleotide SeqID2383.
                                                                                                                                                                                                                                                                                                                                                                                                                              The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant; amino acid production; ss.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            0.9%; Score 13.4; DB 1; Length 17; 3.3%; Pred. No. 1.7e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17 BP; 3 A; 4 C; 6 G; 4 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Example 29; SEQ ID NO 2383; 303pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  (UYDE ) UNIV DELAWARE.
(NAPR-) NAPRO BIO THERAPEUTICS INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ADN45714 standard; DNA; 17 BP
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 93.3%;
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          484 CAGCTGCCATTGGCG 498
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           selectable phenotype
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                WO2004033708-A2.
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Synthetic.
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ID ADN41

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target site within the cells. The method is useful in identifying a cell having a desired oligonucleotide-directed sequence alteration at a first nucleic acid target site within the cell. The method may be useful for the production of plants with herbicide resistance, male or female sterile plants, abiolic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines. The present sequence is that of a mutagenic oligonucleotide which was
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Identifying a cell with a desired oligonucleotide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Mutant cell identification-related mutagenic oligonucleotide SeqID315.
                                                                                                                                                                                                                                                                          Gape
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant;
                                                                                                                                                                                                                                                                          ;
                                                                                                                                                                                                                          0.9%; Score 13.4; DB 1; Length 17; 93.3%; Pred. No. 1.7e+02; tive 0; Mismatches 1; Indel8
                                                                                                                                                                                          Sequence 17 BP; 3 A; 1 C; 8 G; 5 T; 0 U; 0 Other;
                                                                                                                                                 used in the exemplification of the invention.
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(NAPR-) NAPRO BIO THERAPEUTICS INC.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       07-OCT-2003; 2003WO-US031862.
                                                                                                                                                                                                                                                                                                                   363 CACCATCTACCACAT 377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ADN43646 standard; DNA; 17
                                                                                                                                                                                                                                                                                                                                                          17 CACCATCTACGACAT 3
                                                                                                                                                                                                           Query Match
Best Local Similarity 93.39
Best Local Similarity 93.39
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 amino acid production; ss
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Spinacia oleracea
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ADN43646;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         sterile plants, abiotic stress tolerance, albino plants or plants with altered amino acid production as well as for use in mammalian cell lines.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Identifying a cell with a desired oligonucleotide-directed sequence alteration at a nucleic acid target site within the cell by identifying the desired sequence alteration in cells selected for the presence of a
                                                                                                                                                                                                                                                                                                                                                                                                               Mutant cell identification-related mutagenic oligonucleotide SeqID2384.
The present sequence is that of a mutagenic oligonucleotide which was used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              present sequence is that of a mutagenic oligonucleotide which was
                                                                                                                               Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                 cell identification; oligonucleotide-directed sequence alteration; selectable phenotype; transgenic plant; herbicide resistance; sterile plant; abiotic stress tolerance; albino plant; amino acid production; ss.
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                                                                                            Length 17;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 17 BP; 5 A; 8 C; 1 G; 3 T; 0 U; 0 Other;
                                                                                         0.9%; Score 13.4; DB 1;
93.3%; Pred. No. 1.7e+02;
tive 0; Mismatches 1;
                                                        Sequence 17 BP; 4 A; 6 C; 4 G; 3 T; 0 U; 0 Other
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                                                                                                                                                                    484 CAGCTGCCATTGGCG 498
                                                                                                                                                                                                                                                                                                    ADN45715 standard; DNA; 17
                                                                                                                                                                                           17 CAGCTGCCATTGGTG 3
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                                                                                                                                 14; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (UYDE ) UNIV DELAWARE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 selectable phenotype.
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                                                                                                              Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Synthetic
                                                                                                                                                                                                                                                                                                                                       ADN45715;
                                                                                            Query Match
                                                                                                                                                                                                                                                                 425
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                                                                                                                                                                                                                                                             RESULT 43
ADN45715
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Query Match

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**Page 222** 

426

Matches

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AAT04567-68 are degenerate probes designed based on AAR80061-62 resp. . The probes are used to identify DNA encoding S-adenosylmethionine synthetase. The DNA is used to transform bacteria to efficiently produce the enzyme. A 5.5 kb Sall DNA fragment contg. this DNA gives fragments of 2.4, 1.7 and 1.4 kb when cleaved with BamHI and fragments of 3.3, 1.0, 0.7 and 0.5 kb when cleaved with Pstl
                                                                                                                     bacteria; S-adenosylmethionine synthetase; production; probe;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 DNA encoding S-adenosyl:methionine synthetase - useful for the efficient
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Inhibition; inhibitor; protease; hepatocyte; growth factor; activation; activator; human; cancer; cell line; MKN45; primer; regulation; regulator; antibody; kinetic study, assay standard; polymerase chain reaction; amplification; PCR; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     y matcn 0.8%; Score 13.2; DB 1; Length 17; Local Similarity 70.6%; Pred. No. 1.9e+02; Les 12; Conservative 3; Mismarchan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Primer for hepatocyte growth factor activator inhibitor DNA.
                                                                                17-mer DNA probe for S-adenosylmethionine synthetase DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 17 BP; 2 A; 2 C; 9 G; 0 T; 0 U; 4 Other;
                                                                                                                                                                                                                        Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Example; Page 4; 7pp; Japanese.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          495 GGCGCTGGTGACCTGGG 511
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1 GGYGCNGGYGAYCAGGG 17
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                                         (first entry)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    production of the enzyme.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1995-331524/43.
                                                                                                                     Coryneform bacterial identification; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            P-PSDB; AAR80061
                                                                                                                                                                                                                      Key
modified_base
                                                                                                                                                                                                                                                                                                                       JP07227287-A.
                                                                                                                                                                                                                                                                                                                                                                                                      18-FEB-1994;
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                                         26-APR-1996
                                                                                                                                                                                                                                                                                                                                                               29-AUG-1995
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         26-FEB-1997
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                                                                                                                                                                               Synthetic.
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  AAT04567;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The present invention describes an antisense compound (I) up to 30 nucleobases in length, where (I) inhibits expression of daxx (also known as Fas binding protein, dapp for death associated protein, dapp for Bts-1 associated protein). (I) has cytostatic and antiinflammatory activity, and can be used in antisense therapy and as a modulator of daxx. (I) is useful for inhibiting the expression of daxx in therapeutics for the treatment of diseases associated with the expression of daxx in therapeutics for the treatment of diseases associated with the expression of daxx in cumour formation and as research reagent. The present sequence represents an inhibitory human daxx antisense phosphorchioate oligonucleotide which
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Novel antisense compounds capable of modulating expression of daxx useful for diagnosis, prophylaxis and treatment of diseases associated with expression of daxx.
                                                                                                                                                                                                                                                                                                                     Human daxx inhibitory antisense phosphorothioate oligonucleotide SEQ:109.
                                                                                                                                                                                                                                                                                                                                                        Antisense oligonucleotide; daxx; inhibition; phosphorothioate;
Fas binding protein; CENP-C binding protein; dap6; EAP; cytostatic;
antiinflammatory; death associated protein 6; Ets-1 associated protein;
infection; inflammation; tumour formation; ss.
                      Gaps
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                      Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        is used in the exemplification of the present invention
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  93.3%; Pred. No. 1.7e+02;
                    0; Mismatches
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New hepatocyte growth factor activator inhibitor and DNA - regulates hepatocyte growth factor and/or HGF activator in vivo or in vitro, and are used in kinetic studies.
                                                    Shimomura T, Kawaguchi T, Kitamura N, Miyazawa K;
96EP-00111870.
                95JP-00187135.
                                  (MITU ) MITSUBISHI CHEM CORP.
                                                                     WPI; 1997-147516/14.
23-JUL-1996;
                24-JUL-1995;
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The present sequence is a primer for the PCR amplification of a nucleic acid sequence encoding an inhibitor of the procease activity of hepatocyte growth factor (HGF) activator (HGFA), which has a molecular weight of about 40 kD when determined by SDS-PAGE. The inhibitor, which was isolated from the human cancer cell line MKN45, can be used as an invitor or in vitro regulatory factor for HGF or HGFA. It can also be used to raise antibodies, useful in kinetic studies of the inhibitor, or as assay standards Example 6; Page 34; 38pp; English.

Sequence 17 BP; 4 A; 6 C; 1 G; 2 T; 0 U; 4 Other;

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Page (	Sequence 215711, Sequence 23980, Sequence 256403, Sequence 269745, Sequence 283816, Sequence 283816, Sequence 283811, Sequence 292501, Sequence 292501, Sequence 312131, Sequence 31218, Sequence 31218, Sequence 41326, Sequence 41326, Sequence 41326, Sequence 41321, Sequence 51486, Sequence 51486, Sequence 51486, Sequence 51486, Sequence 518022, Sequence 5180	
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GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
TITLE OF INVENTION: MARK J. Graham
TITLE OF INVENTION: AND TISRINSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH?0694
CURRENT FILING DATE: 2004-01-29
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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US-050-892-25

Sequence 25, Application US/09630892

SEQUENCE INFORMATION:

APPLICANT: Settley, Stephen L.

APPLICANT: Oelkers, Peter

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/09/630,892

CURRENT APPLICATION NUMBER: US/09/630,892

NUMBER OF SEQ ID NOS: 32

SOFTWARE: Patentin Ver. 2.0
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.6%; Score 25; DB 1; Length 25; 100.0%; Pred. No. 39; cive 0; Mismatches 0; Indels
                   1212 CTACGTGTATCAGGATGGGCTGCGG 1236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1212 CTACGTGTATCAGGATGGGCTGCGG 1236
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; Sequence 25, Application US/09630892A
; GENERAL INFORMATION:
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APPLICANT: OGINETS, Peter
TITLE OF INVENTION: 150LATION
TITLE OF INVENTION: ACYLTRANSF
                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 25; Conservative
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Best Local Similarity 100.
Matches 24; Conservative
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                                                                                                             RESULT 3
US-10-484-441-6
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                                                                                                                                                                                                                                                                                                                                                                             SEQ ID NO 6
                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
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GENERAL INFORMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

APPLICANT: SEQ ID NOS: 65

ENUMBER OF SEQ ID NOS: 65

LENGTH: 25
                                                                                                                                                                                                                                                                                                                                               Sequence 6, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isls Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPERSSION
FILE REPERENCE: ISPH-0694
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1562901,
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1572059,
1574748,
1585972,
5787, Ap
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           DB 1; Length 25; 39;
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US-10-714-333A-1544504

US-10-714-333A-1545594

US-10-714-333A-1556492

US-10-714-333A-1556492

US-10-714-333A-155659

US-10-714-333A-1556291

US-10-714-333A-1570342

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059

US-10-714-333A-157059
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CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 25
LENGTH: 25
TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.6%; Score 25; DB Best Local Similarity 100.0%; Pred. No. 39; Matches 25; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                 ALIGNMENTS
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     OTHER INFORMATION: PCR Probe PCT-US02-22746-6
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1 TGGCTCAACGCCTTCGCCGAGATGC 25
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ORGANISM: human
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                                                               RESULT 8
US-09-630-892-30
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                                                                                                                                                                                                                                                                                                                                                       SEQ ID NO 30
                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
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Sequence 191621. Application US/09956584A;
GENERAL INFORMATION:
TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.115.116.19956,584A;
CURRENT APPLICATION NUMBER: US/09/956,584A;
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER: OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 191623
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.5%; Score 23.4; DB 1; Length 25;
Best Local Similarity 96.0%; Pred. No. 62;
Matches 24; Conservative 0; Mismatches 1; Indels
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1.5%; Score 23.4; DB 1; Length 25;
Best Local Similarity 96.0%; Pred. No. 62;
Matches 24; Conservative 0; Mismatches 1; Indels
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 191617
LENGTH: 25
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                                                                                                                                                                                                                                                                                        0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 191617, Application US/09956584A; GENERAL INFORMATION:
APPLICANT: Mittenan, Michael
TITLE OF INVENTION: Genetic Analysis of Mouse; FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A; CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
                                                                                                                                                                                                                                          1.5%; Score 24; DB 100.0%; Pred. No. 52; Live 0; Mismatches
FILE REFERENCE: 0575/56331-A
CURRENT PEPLICATION NUMBER: US/09/630,892A
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 32
SOFTWARE: PatentIn Ver: 2.1
SEQ ID NO 25
LENGTH: 25
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Best Local Similarity 100.0
Matches 24; Conservative
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; ORGANISM: Mus musculus
US-09-956-584A-191617
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CORGANISM: Mus musculus
US-09-956-584A-191623
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                                                                                                                                                       ; TYPE: DNA
; ORGANISM: human
US-09-630-892A-25
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1084 TGGCTCAACGCCTTTGCCGAGATGC 1108

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                                  APPLICANT: Oclkers, Peter L.
TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL TITLE OF INVENTION: ACYLTRANSFERASE
FILE REFERENCE: 0575/66331-A
CURRENT APPLICATION NUMBER: US/09/630,892
CURRENT FILING DATE: 2000-08-02
NUMBER OF SEQ ID NOS: 32
SOFTWARE: Patentin Ver. 2.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: String, Stephen L
APPLICANT: Oclies, Peter
TITLE OF INVENTION: ISOLATION OF A GENE ENCODING DIACYLGLYCEROL
TITLE OF INVENTION: ACYLLTRANSFERASE
FILE REFERENCE: 0575/5631-A
CURRENT APPLICATION NUMBER: US/09/630,892A
CURRENT FILING DATE: 2000-08-02
SOGTWARE: Patentin Ver. 2.1
SEQ ID NO 3.
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APPLICANT: Farese, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REFERENCE: 6510-104CIP
                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.5%; Score 23; DB Best Local Similarity 100.0%; Pred. No. 64; Matches 23; Conservative 0; Mismatches
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CURRENT FILING DATE: 2000-06-27
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Sequence 30, Application US/09630892 GENERAL INFORMATION:
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Best Local Similarity
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GENERAL INFORMATION:

FILE REFERENCE:

TITLE OF INVENTION: Genetic Analysis of Mouse

TITLE OF INVENTION: Genetic Analysis of Mouse

FILE OF INVENTION: Genetic Analysis of Mouse

CURRENT APPLICATION NUMBER: US/09/956,584A

CURRENT FILING DATE: 2001-09-19

FRIOR FILING DATE: 2000-09-20

NUMBER OF SEQ ID NOS: 605887

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 191612

TENGTH.
                                                                                      DB 1; Length 25;
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                                                                                                                                                                                                                                                                                                                                                                       PAPPLICANT: Cases, Sylvaine
APPLICANT: Cases, Sylvaine
APPLICANT: Cases, Robert
APPLICANT: Exickeon, Sandra
APPLICANT: Brickeon, Sandra
APPLICANT: Brickeon, Sandra
APPLICANT: NOVAK, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLITRANSFERASE (ACAT-2)
FILE REFERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: 2003-07-22
FRIOR APPLICATION NUMBER: 00/328,857
FRIOR APPLICATION NUMBER: 60/090,354
FRIOR FILING DATE: 1999-06-08
FRIOR FILING DATE: 1998-06-23
NUMBER OF SEQ ID NOS: 17
                                                                                   Score 21.8; Di
Pred. No. 99;
0; Mismatches
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0; Mismatches
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Mismatches
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                                                                                      Query Match
Best Local Similarity 92.0%;
Matches 23; Conservative (
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match
Best Local Similarity 92.0
Matches 23; Conservative
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Best Local Similarity 92.09
Matches 23; Conservative
                    ; OTHER INFORMATION: primer US-09-605-166A-6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: primer US-09-605-166A-7
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; ORGANISM: Mus musculus
US-09-956-584A-191612
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  FEATURE:
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                                                                                                                                                                                                   Query Match 1.4%; Score 21.8; DB 1; Length 25; Best Local Similarity 92.0%; Pred. No. 99; Matches 23; Conservative 0; Mismatches 2; Indels
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Errese, Robert
APPLICANT: Erresen, Sandra
APPLICANT: Erresen, Sandra
APPLICANT: Erresen, Sandra
APPLICANT: Erresen, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REPERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: 05/328,857
FRIOR APPLICATION NUMBER: 09/328,857
FRIOR APPLICATION NUMBER: 06/090,354
FRIOR FILING DATE: 1999-06-08
FRIOR FILING DATE: 1999-06-08
FRIOR FILING DATE: 1999-06-03
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Farese, Sylvaine
APPLICANT: Farese, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Descriptions and APPLICANT: APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROI
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE SPERRENT 6510-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO
  FastSEQ for Windows Version 4.0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 6
LENGTH: 25
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                                                                 TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 92.09
Matches 23; Conservative
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; OTHER INFORMATION: primer
US-09-605-166-7
                                                                                                           FEATURE:
COTHER INFORMATION: primer
US-09-605-166-6
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SOFTWARE:
SEQ ID NO 6
LENGTH: 25
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Matches
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1143 GTGGAACTCAACGTCCT
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Best Local Similarity 92.0
Matches 23; Conservative
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                                     TYPE: DNA
CORGANISM: Mus musculus
US-09-956-584A-191625
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; ORGANISM: Mus musculus
US-09-956-584A-191627
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US-10-355-577-567125
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Best Local Similarity
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SEQ ID NO 191625
LENGTH: 25
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                                                                                                        Sequence 1916, Application US/09956584A

Sequence 1916, Application US/09956584A

SERIEAL INFORMATION:
TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.1
CURRENT PALLICATION NUMBER: US/09/956,584A

CURRENT PILING DATE: 2001-09-19
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887

SEQ ID NO 191616

LENGTH: 25
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1.4%; Score 21.8; DB 1; Length 25;
Best Local Similarity 92.0%; Pred. No. 99;
Matches 23; Conservative 0; Mismatches 2; Indels
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TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 191620
LENGTH: 25
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0; Mismatches
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Pred. No. 95
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US-059-956-584A-191620
; Sequence 191620, Application US/09956584A
; GENERAL INFORMATION:
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Local Similarity 92.0%;
les 23; Conservative (
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CORGANISM: Mus musculus
US-09-956-584A-191616
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GRGANISM: Mus musculus
US-09-956-584A-191620
                                                                                 RESULT 15
US-09-956-584A-191616
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Best Local 8
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US-10-355-577-567125

Sequence S67125, Application US/10355577

Sequence S67125, Application US/10355577

SERNEAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133;
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577

CURRENT FILING DATE: 2003-01-31

NUMBER OF SEQ ID NOS: 997516

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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Length 25;
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TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 191627
LENGTH: 25
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DB 1;
1.4%; Score 21.8; D 92.0%; Pred. No. 99; iive 0; Mismatches
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Best Local Similarity 92.0%; Pred. No. 99;
Matches 23; Conservative 0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/336,638
CURRENT FILING DATE: 2003-01-02
PRIOR APPLICATION NUMBER: US/09/304,232
PRIOR FILING DATE: 1999-05-05
PRIOR PILING DATE: 1999-05-07
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: US 60/084,641
PRIOR FILING DATE: EARLIER FILING DATE: 1998-05-07
NUMBER OF SEQ ID NOS: 909
SEQ ID NO 370
LENGTH: 29
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION UNDER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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ORGANISM: Artificial Sequence
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US-10-719-956-196282
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US-60-353-987-567125
Sequence 567125, Application US/60353987
GENERAL INFORMATION:
APPLICANT: Mitthean, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133;
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-021
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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APPLICANT: Chakravarti, Aravinda
APPLICANT: Chakravarti, Aravinda
APPLICANT: Case Western Reserve University School of Medicine
APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: POLYMorphisms Associated With
TITLE OF INVENTION: Hypertension
FILE REPERENCE: 018547-034210US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 21.8; DB 1; Length 25;
Pred. No. 99;
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APPLICANT: Cases, Sylvaine
APPLICANT: Farese, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Novak, Sabine
APPLICANT: Accad, Michel
ITLE OF INVENTION: Novel acyl CoA:cholesterol
ITLE OF INVENTION: Novel acyl CoA:cholesterol
ITLE REFERENCE: UCAL-104CON
CURRENT APPLICATION NUMBER: 09/605,166
PRIOR PILING DATE: 2004-02-12
PRIOR APPLICATION NUMBER: 09/605,166
PRIOR PILING DATE: 1999-06-08
PRIOR PILING DATE: 1999-06-03
PRIOR PILING DATE: 1999-06-03
PRIOR PILING DATE: 1999-06-03
SOFTWARE: FREESEQ FOR WINGOWS VETSION 4.0
SEQ ID NO 6: SEQ ID NOS: 9
SEQ ID NO 6: SEQ ID NOS: 9
SEQ ID NO 6: SEG ID NOS: 9
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Best Local Similarity 92.0%;
Matches 23; Conservative (
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; ORGANISM: Homo sapien
US-60-353-987-567125
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Best Local Similarity
Matches 23; Conserva
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APPLICANT: Kristina — Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REPERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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1e+02;
thes 0; Indels
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APPLICANT: Farese, Robert
APPLICANT: Farese, Robert
APPLICANT: Brickson, Sandra
APPLICANT: Worak, Sabine
ITILE OF INVENTION: NOVEL ACYL COA: CHOLESTEROI
ITILE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REPERENCE: 6510-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166
CURRENT APPLICATION NUMBER: US/09/605,166
CURRENT APPLICATION NUMBER: US/09/605,166
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
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APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLITRANSFERASE (ACAT-2)
FILE REFERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT FILING DATE: 2003-07-22
                                                                                                                                                                                                                                                                                                                                                                                                    ch 1.3%; Score 21; DB 1 Similarity 100.0%; Pred. No. 1e+21; Conservative 0; Mismatchee
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PRIOR FILING DATE: 1999-06-08
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%Sequence B, Application US/09605166A
GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Farese, Robert
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                                                                                                                                                                                                                                                          TYPE: DNA ORGANISM: Artificial Sequence
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; OTHER INFORMATION: PCR Primer
US-10-484-441-4
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Best Local Similarity
Matches 22; Conserv
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Best Local Similarity
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2:
PILE REFERENCE: ISPH-0598
                                                                                                                                                                                                                             APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: BXPRESSION
FILE OF INVENTION: BXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO S: 65
LENGTH: 21
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0; Indels
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CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 4
                      916 GGATGTGCTCTATGCCTGCTT 938
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US-10-484-441-4
Sequence 4, Application US/1048441
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 91.7<sup>3</sup>
Matches 22, Conservative
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Best Local Similarity 95.5
Matches 21; Conservative
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CORGANISM: Mus musculus
US-09-956-584A-191621
                                                              TYPE: DNA ORGANISM: Mus musculus
                                                                                                   ; UK-09-956-584A-191618
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US-09-954-427A-270002
SEQ ID NO 191618
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US-09-956-584A-191618
Sequence 191618, Application US/09956584A
Sequence 191618 Application US/09956584A
GENERAL INFORMATION:
TITLE OF INVENTION: Genetic Analysis of Mouse
TITLE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.3%; Score 20.8; DB 1; Length 24; Best Local Similarity 91.7%; Pred. No. 1.3e+02; Matches 22; Conservative 0; Mismatches 2; Indels
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Erickson, Sandra
APPLICANT: Erickson, Sandra
APPLICANT: Erickson, Sandra
APPLICANT: Accad, Michel
TITLE OF INVENTION: Novel acyl CoA:cholesterol
TITLE OF INVENTION: acyltransferase (ACAT-2)
FILE REFERENCE: UCAL-104CON
CURRENT APPLICATION NUMBER: 09/605,166
PRIOR APPLICATION NUMBER: 09/328,857
                          PRIOR FILING DATE: 1998-06-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 8
LENGTH: 24
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   PRIOR APPLICATION NUMBER: 60/090,354
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                                                                                                                                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                        ; OTHER INFORMATION: primer US-09-605-166A-8
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Matches
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                                                    Gaps
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Sequence 131432, Application US/09954427A
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
FILE REPREBENCE: 3112.1
CURRENT APPLICATION NUMBER: US/09/954,427A
CURRENT FILING DATE: 2001-09-17
FRICR PALICATION NUMBER: (6)/233,166
FRICR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 420907
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     Length 25;
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95.5%; Pred. No. 1.5e+02;
ative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                              APPLICANT: Mittenan, Michael
TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 131432
LENGTH: 25
                                                    2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           2; Indels
Query Match 1.3%; Score 20.8; DB 1; Best Local Similarity 91.7%; Pred. No. 1.3e+02; Matches 22; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1.3%; Score 20.8; DB 1;
91.7%; Pred. No. 1.3e+02;
ative 0; Mismatches 2;
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                                                                                                    1266 CATGCTGGGTGTTCCTGGTCTC 1289
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Query Match
Best Local Similarity 88.0%
22; Conservative
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TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome FILE REPERENCE: 3112.1
CURRENT APPLICATION NUMBER: US/09/954,427A
CURRENT FILING DATE: 2001-09-17
PRIOR APPLICATION NUMBER: (0/233,166
PRIOR FILING DATE: 2000-09-18
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 358884
LENGTH: 25
                                                                               APPLICANT: Michael Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
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Sequence 146347, Application US/09956584A

GENERAL INFORMATION:

APPLICANT: Mittemann, Michael

TITLE OF INVENTION: Genetic Analysis of Mouse

FILE REFERENCE: 3115.1

CURRENT APPLICATION NUMBER: US/09/956,584A

CURRENT APPLICATION NUMBER: 60/234,017

PRIOR FILING DATE: 2000-09-20

NUMBER OF SEQ ID NOS: 605887

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 146347
                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.3%; Score 20.4; DB 1; Length 25; Best Local Similarity 95.5%; Pred. No. 1.5e+02; Matches 21; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.3%; Score 20.4; DB 1; Length 25; Best Local Similarity 95.5%; Pred. No. 1.5e+02; Matches 21; Conservative 0; Mismatches 1; Indels
                                                                                                                           FILE REFERENCE: 3112.1

CURRENT APPLICATION NUMBER: US/09/954,427A

CURRENT FILING DATE: 2001-09-17

PRIOR APPLICATION NUMBER: 60/233,166

PRIOR FILING DATE: 2000-09-18

NUMBER OF SEQ ID NOS: 420907

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
                                    Sequence 270002; Application US/09954427A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 358884, Application US/09954427A GENERAL INFORMATION:
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; ORGANISM: Rattus Norvegicus
US-09-954-427A-270002
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US-09-954-427A-358884
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| Sequence 191626, Application US/09956584A |
| GABRAL INFORMATION: |
| APPLICANT: Mittmann, Michael |
| TITLE OF INVENTION: Genetic Analysis of Mouse |
| FILE REPERENCE: 3115.1 |
| CURRENT APPLICATION NUMBER: US/09/956,584A |
| CURRENT FILING DATE: 2001-09-19 |
| PRIOR APPLICATION NUMBER: 60/234,017 |
| PRIOR PELLING DATE: 2000-09-20 |
| NUMBER OF SEQ ID NOS: 605887 |
| SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1 |
| SEG ID NO 191626 |
| LENGTH: 25
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88.0%; Pred. No. 1.6e+02;
iive 0; Mismatches 3; Indele
  Length 25;
                                                                                                                                                                                                                                                                                                     TITLE OF INVENTION: Genetic Analysis of Mouse FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 0.00234,017
PRIOR PILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
ENGTH: 25
Score 20.2; DB 1;
Pred. No. 1.6e+02;
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TITLE OF INVENTION: Genetic Analysis of Mouse
TIER REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
                                               Mismatches
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                                                                                                 GCCG 1102
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; Sequence 191614, Application US/09956584A
; GENERAL INFORMATION:
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1.3%;
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Matches 22; Conservative
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Best Local Similarity
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US-09-956-584A-330489
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APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DB 1; Length 25;
                                                                                                                                                                                                                                                                                                                                                    SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 626166
LENGTH: 25
                                                                                                         Sequence 626166, Application US/10719956
GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527.1
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,836
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
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1.3%; Score 20.2; DB 1;
Best Local Similarity 88.0%; Pred. No. 1.6e+02;
Matches 22; Conservative 0; Mismatches 3;
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Best Local Similarity 88.0%; Pred. No. 1.6e+02;
Matches 22; Conservative 0; Mismatches 3
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                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Rattus norvegicus
US-10-719-956-626166
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US-60-427-808-716377
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo sapien
US-60-353-987-567126
                                                                                     US-10-719-956-626166
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US-60-427-808-716377
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LENGTH: 25
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GENERAL INFORMATION;
APPLICANT: Mittmann,
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPRENCE: 312.
CURRENT APPLICATION NUMBER: US/10/355,577

CURRENT PILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOUTHABLE Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 567126
LENGTH: 25
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PRIOR APPLICATION DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 60/234,017
PRIOR FILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 330489
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Xue Mei Zhou
APPLICANT: Xue Mei Zhou
TTTLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION: NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
CURRENT FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 716377
                                                                                                                                                                                                                                                                                                                                                                                                         123 GACCCGACACATGGAGGCTGTGAAG 147
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Best Local Similarity 88.0°
Matches 22; Conservative
                                                                                                                                                                                                       TYPE: DNA
CORGANISM: Mus musculus
US-09-956-584A-330489
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US-10-719-900-716377
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; ORGANISM: Homo sapien
US-10-355-577-567126
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US-10-355-577-567126
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Best Local Simi
Matches 22;
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Gaps

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Indels

1.3%; Score 20.2; DB 1; Length 25; SQUENCE TO TABLE TO THE TOTAL TO THE NET THE OF INVENTION:

TITLE OF INVENTION: Methods of Genetic Analysis of Mouse FILE REFERENCE: 35.28

CURRENT APPLICATION NUMBER: US/60/427,808

CURRENT FILING DATE: 2002-11-20

NUMBER OF SEQ ID NOS: 982914

SOUTHARD: Microarray Probe Sequence Listing Generator V 1.1

SEQ ID NO 716377 Query Match

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Gaps

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Indels

Length 25;

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PCT-USO2-22746-16/C
Sequence 16, Application PC/TUS0222746
Sequence 16, Application PC/TUS0222746
GENERAL INFONATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Sosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: MARSON Lemonid18
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYLTRANSFERASE-2
TITLE APPLICATION MODULATION OF ACYLTRANSFERASE-2
TITLE APPLICATION MODULATION OF ACYLTRANSFERASE-2
TITLE APPLICATION 
                         APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT PILING DATE: 2002-07-15
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              PCT-USO2-22746-17/c

PCT-USO2-22746-17/c

Sequence 17, Application PC/TUSO222746

Sequence 17, Application PC/TUSO222746

GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
FILLE REFERENCE: ISPH-0694
FILLE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/USO2/22746
CURRENT FILING DATE: 2002-07-15
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: PCR Primer PCT-US02-22746-15
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Sequence 14, Application PC/TUS0222746

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Mark J. Graham

APPLICANT: Kristina M. Lemonidis

APPLICANT: Kristina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2

TITLE OF INVENTION: EXPRESSION

TITLE OF INVENTION: EXPRESSION

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2

TITLE OF INVENTION: EXPRESSION

CURRENT FILING DATE: 2002-07-15

PRIOR APPLICATION NUMBER: 09/918,026

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 14

LENGTH: 20
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TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REPERSENCE: 35.27
CURRENT APPLICATION NUMBER: US/60/427,836
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 626166
LENGTH: 25
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1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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                                     3; Indels
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88.0%; Pred. No. 1.6e+02;
iive 0; Mismatches 3;
Best Local Similarity 88.0%; Pred. No. 1.6e+02; Matches 22; Conservative 0; Mismatches 3
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                                                                                                           689 GIGICCIGGICTICGAGCAGGITAG 713
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; Sequence 15, Application PC/TUS0222746
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           18 CCGTCTGCGTCTGCAGAGGA 37
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: DNA
; ORGANISM: Rattus norvegicus
US-60-427-836-626166
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Best Local Similarity 88.0°
Matches 22, Conservative
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Sequence 21, Application PC/TUS0222746

Sequence 21, Application PC/TUS0222746

Sequence 21, Application PC/TUS0222746

GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham
FILTE OF INVENTION: EXPRESSION
FILTE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: PCT/US02/22746

CURRENT APPLICATION NUMBER: 002-07-15
PRIOR APPLICATION UNBER: 09/918,026

PRIOR APPLICATION UNBER: 2001-07-30

NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                    Sequence 20, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Rosamme M. Crooke
APPLICANT: Rosamme M. Crooke
APPLICANT: Rosamme M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR PLILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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1.3%; Score 20; DB 1; Lu
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-20
                         ), OTHER INFORMATION: Antisense Oligonucleotide PCT-US02-22746-19
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ORGANISM: Artificial Sequence
                                                                                    Query Match
Best Local Similarity 100.0
Matches 20; Conservative
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Matches 20; Conservative
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                                                                                                                                                                                                                                                                                                                           RESULT 52
PCT-US02-22746-20/c
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LENGTH: 20
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LENGTH: 20
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     FEATURE:
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PCT-US02-22746-19/C

Sequence 19, Application PC/TUS0222746

SEMERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Resame M. Crooke

APPLICANT: Resistina M. Lemonidis

TITLE OF INVENTION: ANTHERNE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2

TITLE OF INVENTION: EXPRESSION

FILE REFERENCE: ISPH-0694

CURRENT APPLICATION NUMBER: PCT/US02/22746

CURRENT APPLICATION NUMBER: 09/918,026

PRIOR PILING DATE: 2002-07-15

PRIOR PILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 19

LENGTH: 20

MANDER APPLICATION LENGTH APPLICATION NUMBER: 09/918,026

LENGTH: 20

LENGTH: 20
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PCT-US02-2746-18/C
SQUENCE 18, Application PC/TUS0222746
SGEMERAL INFORMATION:
APPLICANT: Resame M. Crooke
APPLICANT: Resame M. Crooke
APPLICANT: Resame M. Crooke
APPLICANT: Resina M. Lemonidis
TITLE OF INVENTION: ANTERNER MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNER MODULATION OF ACYL
CURRENT APPLICANTION NUMBER: PCT/US02/22746
CURRENT APPLICATION NUMBER: 09/18,026
FRIOR APPLICATION NUMBER: 09/18,026
FRIOR APPLICATION NUMBER: 09/18,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 18
LENGTH: 20
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                                                                                                                                                                                                   OTHER INFORMATION: Antisense Oligonucleotide
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 17
LENGTH: 20
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                                                                                                                           TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Matches
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Sequence 110 - 21, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isia Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTERNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: APPLICANTION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 24
LENGTH: 20
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GEQUENCE 25, Application PC/TUS0222746
GEQUENCE 25, Application PC/TUS0222746
GEQUENCE 25, Application PC/TUS0222746
GEQUENCE 25, Application PC/TUS0222746
APPLICANT: Resame M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: BATESBASE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT FILING DATE: 2002-07-15
PRIOR PLING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 25
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 1.3%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Antisense Oligonucleotide PCT-USO2-22746-24
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GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                581 CGCAGGCGACGGGCCTGGGC 600
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ORGANISM: Artificial Sequence
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Matches 20; Conserval
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PCT-US02-22746-26/c
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PCT-US02-22746-25/c
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                                                                                                                                                                                                                                                    APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/USO2/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 22
LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/USO2/22746
CURRENT APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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                                                                                                                                                                        PCT-US02-22746-22/c

) Sequence 22, Application PC/TUS0222746

) GENERAL INFORMATION:
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; Sequence 23, Application PC/TUS0222746
; GENERAL INFORMATION:
                      431 TTGATGAGGCAGGCTGCTG 450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       541 CCGTACCAGGCCCTACGGCT 560
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                                                                      20 rrgargagggcaggcrgcrg 1
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ORGANISM: Artificial Sequence
FEATURE:
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Matches 20; Conserva
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Matches

Gaps

RESULT 56

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APPLICANT: ROBATION C. COOKE
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: MAIN J. GRAHAM
APPLICANT: MAIN J. GRAHAM
APPLICANT: MAIN J. GRAHAM
APPLICANT: MAINSENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
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PCT-USO2-22746-30/C

Sequence 30, Application PC/TUS0222746

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Rosanne M. Crooke

APPLICANT: Rosanne M. Crooke

APPLICANT: Kristina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2

TITLE OF INVENTION: EXPRESSION

FILE REFERENCE: ISPH-0694

CURRENT APPLICATION NUMBER: PCT/US02/22746

CURRENT FILING DATE: 2002-07-15

PRIOR PAPLICATION UNBER: 09/918,026

PRIOR PLING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
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1.3%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                      FEATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-USO2-22746-29
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Sequence 29, Application PC/TUS0222746
Sentence 29, Application PC/TUS022746
APPLICANT: Isis Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1021 CTGCATGCCACGTTGCCAGG 1040
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                                                                                  TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                    Best Local Similarity 100.
Matches 20; Conservative
        NUMBER OF SEQ ID NOS: 65
SEQ ID NO 28
LENGTH: 20
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LENGTH: 20
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Acsanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISBNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-069
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 27
LENGTH: 20
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT APPLICATION NUMBER: PCT/US02/22746
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 26
LENGTH: 20
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APPLICANT: 1618 Pharmaceuticals, Inc.
APPLICANT: 1618 Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 1SPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-26
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; Sequence 27, Application PC/TUS0222746
; GENERAL INFORMATION:
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Matches 20; Conservative
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Sequence 33, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rarkina M. Lemonidis
TITLE OF INVENTION: AXTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: AXTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT FILING DATE: 2002-07-15
PROBLEM FILING DATE: 2002-07-15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
FILE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
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0. 1.3e+02;
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100.0%; Pred. No. 1.38+02;
tive 0; Mismatches 0;
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CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PCT-US02-22746-34/c
; Sequence 34, Application PC/TUS0222746
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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                          20 TCAGGATGGGCTGCGGCTCC
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20; Conservative
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LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Resame M. Crooke
APPLICANT: Resame M. Crooke
APPLICANT: Resame M. Crooke
APPLICANT: Residence M. Lemonidis
TITLE OF INVENTION: ANTERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNEE: 1SPH-0694
CURRENT PELING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 32
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
FILLE OF INVENTION: EXPRESSION
FILLE OF INVENTION: EXPRESSION
FILLE OF INVENTION UNMBER: PCT/US02/22746
CURRENT APPLICATION NUMBER: PCT/US02/22746
FRIOR FILING DATE: 2001-07-30
NUMBER: 09/918,026
RIOR FILING DATE: 2001-07-30
SEQ ID NOS: 65
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                                                    Length 20;
                                               Query Match
1.3%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                                                                                                                                    1081 TGCTGGCTCAACGCCTTTGC 1100
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Best Local Similarity 100.0
Matches 20; Conservative
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Matches 20; Conserva
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PCT-US02-22746-30
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Sequence 65, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Ratina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: 15PH-0694
CURRENT PPLICATION NUMBER: 2002-07-15
PRIOR APPLICATION NUMBER: 2001-07-30
NUMBER: 09918,026
PRIOR FILING DATE: 2001-07-30
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1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Farese, Robert
APPLICANT: Excese, Robert
APPLICANT: Novek, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTER(
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTER(
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTER(
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT FILING DATE: 2003-07-22
PRIOR PILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
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                                                                                                                                                                                                                                                                                                                                                                               OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                      PCT/US02/22746
                                                                                                           CURRENT APPLICATION NUMBER: PCT/US02/22
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 54
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                                                                                             FILE REFERENCE: ISPH-0694
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Best Local Similarity
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PCT-US02-22746-54
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LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR PLILING DATE: 2002-07-15
PRIOR PLILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 35
LENGTH: 20
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PCT-US02-22746-36/C

Sequence 36, Application PC/TUS0222746

Sequence 36, Application PC/TUS0222746

Sequence 36, Application PC/TUS0222746

Sequence 36, Application Sequence 31, Application Sequence 32, Applicant: Rosanne M. Crooke

APPLICANT: Rosanne M. Crooke

APPLICANT: Kristina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2

TITLE OF INVENTION: AXPRESSION

FILE REFERENCE: ISPH-0694

CURRENT PFLING DATE: 2002-07-15

PRIOR PILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 36

LENGTH: 20

MANDER DELICATION NUMBER: PCT NOS: 65

LENGTH: 20

MANDER OF SEQ ID NOS: 65

LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rasham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLIRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-35
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              20; Conservative
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Matches 20; Conserva
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PCT-US02-22746-54/c
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Sequence 16, Application US/09918026A
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 16
                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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                                               Score 20; DB 1; Length 20;
Pred. No. 1.3e+02;
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hes 0; Indels
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                                               Query Match 1.3%; Score 20; DB Best Local Similarity 100.0%; Pred. No. 1.3 Matches 20; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                                                                         Sequence 15, Application US/09918026A GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 17, Application US/09918026A GENERAL INFORMATION:
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                                                                                                                                                18 CCGTCTGCGTCTGCAGAGGA 37
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; OTHER INFORMATION: PCR Primer US-09-918-026A-15
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; OTHER INFORMATION: PCR Probe
US-09-918-026A-16
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US-09-918-026A-14
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Sequence 11, Application US/09918026A
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Reside M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 |
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 14
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Cases, Sylvaine
APPLICANT: Cases, Sylvaine
APPLICANT: Excese, Robert
APPLICANT: Excese, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLITRANSFERASE (ACAT-2)
TITLE OF INVENTION: ACYLITRANSFERASE
TITLE OF ILLING DATE: 1040-12
CURRENT APPLICATION NUMBER: 109/328,655
PRIOR APPLICATION NUMBER: 09/328,657
PRIOR FILLING DATE: 1999-06-08
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1.3%; Score 20; DB 1;
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
LENGTH: 20
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PRIOR FLING DATE: 1998-06-23
NUMBER OF OL ID NOS: 17
SOFTWARE: PARESEQ for Windows Version 4.0
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OTHER INFORMATION: PCR Primer
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                                                                                            TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                  ) OTHER INFORMATION: primer US-09-605-166A-16
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RESULT 79
US-09-918-026A-20/C
Sequence 20, Application US/09918026A
Sequence 20, Application US/09918026A
Sequence 20, Application US/09918026A
September 20, Application US/09918026A
September: Mark J. Graham
APPLICANT: Mark J. Graham
SPEPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXISTILE REFERENCE: ISFH-0588
STILE REFERENCE: ISFH-0588
CURRENT PELLING DATE: 201-07-30
SUMMER OF SEQ ID NOS: 65
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0598
FULE REFERENCE: ISPH-0598
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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1.3%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ) OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-09-918-026A-21/c; Sequence 21, Application US/09918026A; GENERAL INFORMATION:
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                                                                                                                                                                                                                                   181 AGGGAGCTGCTGGATCGGGC 200
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                                                                                                                                                                                                                                                                                   20 AGGGAGCTGCTGGATCGGGC 1
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                                                                                                                                                                                    20; Conservative
                                                                                                                                    Query Match
Best Local Similarity
Matches 20; Conserva
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Best Local Similarity
Matches 20; Conserv
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US-09-918-026A-22/c
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LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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US-09-918-02A-19/C

US-09-918-02A-19/C

SEQUENCE 19, Application US/09918026A

GENERAL INFORMATION:

APPLICANT: ROSADNE M. Crooke

APPLICANT: Nark J. Gardam

APPLICANT: Wark J. Gardam

APPLICANT: Wiskina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

CURRENT APPLICATION NUMBER: US/09/918,026A

CURRENT PILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 19

LENGTH: 20
                                                                                                                                                                                    舀
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: AFFISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 IN TITLE OF INVENTION: ANTIESENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 IN CURRENT APPLICATION NUMBER: US/09/918,026A
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 17
LENGTH: 20
TYPE: ...
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US-09-918-026A-18
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APPLICANT: Rosaine M. Crooke
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ORGANISM: Artificial Sequence
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Best Local Similarity
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APPLICANT: Mark J. Graham APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Mark J. Graham
APPLICANT KISTEINA M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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1.3%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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1.3%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
                                                                                                                                                                             1.3%; Score 20; DB 1; L. 100.0%; Pred. No. 1.3e+02; tive 0; Mismatches 0;
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; Sequence 26, Application US/09918026A
; GENERAL INFORMATION:
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Best Local Similarity
Matches 20; Conserv
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APPLICANT: Mark J. Graham

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX

FILE REFERENCE: ISPH-0588

CURRENT FILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 22

LENGTH: 20

TYPE:
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APPLICANT: Rosenne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kistina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
FILE REPERENCE: ISPH-0588 MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0588 MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0588 MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
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FILE REPERENCE: ISPH-0588 MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0598 MODULATION OF ACYLTRANSFERASE-2 EX

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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
TITLE OF INVENTION: 1SPH-0818, 026A
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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1.3%; Score 20; DB 1; L.
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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; Sequence 23, Application US/09918026A
; GENERAL INFORMATION:
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US-09-918-026A-30/c
US-09-918-026A-30/c
Sequence 30, Application US/09918026A
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIENEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Rosanne M. Crooke
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
TITLE OF INVENTION UNMBER: US/09/918,026A
CURRENT PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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                                                                                                                                                              Indels
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; Sequence 31, Application US/09918026A
; GENERAL INFORMATION:
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; Sequence 32, Application US/09918026A
; GENERAL INFORMATION:
A APPLICANT: Rosanne M. Crooke
; APPLICANT: Mark J. Graham
; APPLICANT: Kristina M. Lemonidis
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Best Local Similarity
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LENGTH: 20
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LENGTH: 20
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APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 28
LENGTH: 20
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APPLICANT: Rarbina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 29
LENGTH: 20
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""FULCANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 1
FILE REPRESENCE: 1878-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
TYPE: """
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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; Sequence 28, Application US/09918026A
; GENERAL INFORMATION:
; APPLICANT: ROSANNE M. Crooke
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; Sequence 29, Application US/09918026A
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
FEATURE:
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTIVO: ANY SENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
ATTLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
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CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 36
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
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CHER INFORMATION: Antisense Oligonucleotide

US-09-918-026A-35
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-36
      0; Mismatches
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US-09-918-026A-35/C
Sequence 35, Application US/09918026A;
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
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APPLICANT: Rosanne M. Crooke
                                       , 1401 GCGCACCGGCCCGCCATGGA 1420
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US-09-918-026A-54/c
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 |
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 33
LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
iive 0; Mismatches 0;
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                                   CURRENT APPLICATION NUMBER: US/09/918,026A CURRENT FILING DATE: 2001-07-30 NUMBER OF SEQ ID NOS: 65 SEQ ID NO 32 SEQ ID NO 32 LENGTH: 20
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; Sequence 33, Application US/09918026A
; GENERAL INFORMATION:
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR RILING DATE: 2001-07-30
RNGHER OF SEQ ID NOS: 65
SEQ ID NO 15
LENGTH: 20
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APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: 0210/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 16
LENGTH: 20
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                                            Indels
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1.3%; Score 20; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
1 Similarity 100.0%; Pred. No. 1.3e+02; 20; Conservative 0; Mismatchen
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                                                                                                                                                                                                                     US-10-484-441-15/c; Sequence 15, Application US/1048441; GENERAL INFORMATION:
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; Sequence 16, Application US/10484441
; GENERAL INFORMATION:
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                                                                                                            20 CCGTCTGCGTCTGCAGAGGA 1
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Best Local Similarity 100.(
Matches 20; Conservative
                     Best Local Similarity
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Lemonidis
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 14
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-09-918-026A-65/c

US-09-918-026A-65/c

GENERAL INFORMATION:

APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

APPLICANT: Kistina M. Lemonidis

TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0588
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; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-65
                                     CURRENT APPLICATION NUMBER: US/09/918,026A CURRENT FILING DATE: 2001-07-30 NUMBER OF SEQ ID NOS: 65 SEQ ID NO 54 EBNGTH: 20 TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/09/918,026A CURRENT FILING DATE: 2001-07-30 NUMBER OF SEQ ID NOS: 65 SEQ ID NO 65 LENGTH: 20 TYPE: DNA CURRENTS NA ARTIficial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.3%; Score 20;
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; OTHER INFORMATION: PCR Primer
US-10-484-441-14
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Best Local Similarity 100.0
Matches 20; Conservative
                     FILE REFERENCE: ISPH-0588
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Sequence 21, Application US/10484441

Sequence 21, Application US/10484441

SEQUENCE INFORMATION:

APPLICANT: Nark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXIFILE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXIFILE OF INCENTY APPLICATION NUMBER: US/10/484,441
CURRENT APPLICATION NUMBER: 2004-01-29

PRIOR FILING DATE: 2004-01-29

PRIOR FILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 21

LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXIPLE REFERENCE: ISPH?0694
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                                                                                                                                                                                              Query Match 1.3%; Score 20; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.3e+02; Matches 20; Conservative 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-10-484-441-20
                                                                                                                        ) OTHER INFORMATION: Antisense Oligonucleotide US-10-484-441-19
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CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                    181 AGGGAGCTGCTGGATCGGGC 200
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ORGANISM: Artificial Sequence
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SEQ ID NO 19
LEMOTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
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Best Local Similarity
Matches 20; Conserv
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                                                                                                    FEATURE:
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                                              APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF ENVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH706594
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR RPPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
SEQ ID NO 17
LENGTH: 20
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APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TILE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 FILE REPERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT PILING DATE: 2004-01-29
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2
FILE REFERENCE: ISPH?0694
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CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
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GENERAL INFORMATION:
APPLICANT: ROBANNE M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  111 CTTGGTACAATGGACCCGAC 130
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ORGANISM: Artificial Sequence
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                            APPLICANT: Rosanne M. Crooke
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Matches
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APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT PAPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 24
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH706APH 100/10/484,441
CURRENT APPLICATION NUMBER: US/10/484,441
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Aristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REPERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR PELLING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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Matches 20; Conservative
Mark J. Graham
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-484-441-25/C
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LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OP INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REPERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: 09/10-29
PRIOR PILING DATE: 2004-01-29
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 23
LENGTH: 20
                                                                                                                                                                                                                            APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: NAVISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 FILE REFERENCE: 1SPH?0664
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2001-01-29
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 22
LENGTH: 20
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OTHER INFORMATION: Antisense Oligonucleotide
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; Sequence 23, Application US/10484441
; GENERAL INFORMATION:
                           TTGATGAGGCCAGGCTGCTG 450
                                                                                                                                                                                         ; Sequence 22, Application US/10484441; GENERAL INFORMATION:
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                                                                      20 rrcarcaccaccaccrcrc 1
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ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 20; Conservative
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Matches 20; Conserv
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US-10-484-441-24/c
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 29
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICATION: Marisense Modulation of ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 30
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1.3%; Score 20; DB 1; Lv
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-484-441-30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      OTHER INFORMATION: Antisense Oligonucleotide
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                                                                                                                                      Sequence 29, Application US/10484411
GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
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US-10-484-441-30/C
; Sequence 30, Application US/10484441
; GENERAL INFORMATION:
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; Sequence 31, Application US/10484441
; GENERAL INFORMATION:
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
20 rendedecedererer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
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Best Local Similarity
                                                                                                                       US-10-484-441-29/C
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REPERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: 02/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 27
LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 F
FILE REPERENCE: 158H70664
CURRENT PILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER: OF SEQ ID NOS: 65
SEQ ID NO 28
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.3%; Score 20; DB 1; Length 20;
Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0; Indels
                                                                                                                                           Length 20;
                                                                                                                                                                                          0; Indels
                                                                                                                                        DB 1; LE
. 1.3e+02;
                                                                   ), OTHER INFORMATION: Antisense Oligonucleotide US-10-484-441-26
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US-10-484-441-27
                                                                                                                                           / Match 1.3%; Score 20; DB Local Similarity 100.0%; Pred. No. 1.3 Ne. 20; Conservative 0; Mismatches
                                                                                                                                                                                                                                         771 CAGACGAGGTGAGGGGATCC 790
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  TYPE: DNA ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 20; Conservative
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                                                                                                                                           Query Match
Best Local S
                                                 FEATURE:
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941 TCCTGGCCGCCTCTGTGTT 960

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Sequence 35, Application US/1048441

GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Mark J. Graham
APPLICANT: Mark J. 10/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 35
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OP ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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Best Local Similarity 100.0%; Pred. No. 1.3e+02;
Matches 20; Conservative 0; Mismatches 0;
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                      ; OTHER INFORMATION: Antisense Oligonucleotide US-10-484-441-33
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LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OP INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR PLILING DATE: 2004-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 32
LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Krietina M. Lemonidis
APPLICANT: Krietina M. Lemonidis
TITLE OF INVENTION: ANTIENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 33
LENGTH: 20
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLITRANSFERASE?2
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100.0%; Pred. No. 1.3e+02;
tive 0; Mismatches 0;
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                    FILE REFERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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ORGANISM: Artificial Sequence
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, APPLICANT: Rosanne M. Crooke
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Matches 20; Conservative
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Sequence 28158, Application US/60507481
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Wyeth
TITLE OF INVENTION: MOLES OF INFLAMMATORY DISEASES
TITLE OF INVENTION: MOLES OF INFLAMMATORY DISEASES
TITLE OF INVENTION: MOLES OF INFLAMMATORY DISEASES
TILE REFERENCE: AM101084
CURRENT APPLICATION NUMBER: US/60/507,481
CURRENT FILING DATE: 2003-10-02
NUMBER OF SEQ ID NOS: 210107
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
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TITLE OF INVENTION: Methods of Analysis of Human Genes
FILE REFERENCE: 311.1.
CURRENT APPLICATION NUMBER: US/09/953,115A
CURRENT FILING DATE: 2001-09-13
PRIOR PILICATION NUMBER: 60(02/22,597
PRIOR FILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 33029
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
ENGTH: 25
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100.0%; Pred. No. 1.7e+02;
ive 0; Mismatches 0;
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100.0%; Pred. No. 1.3
:ive 0; Mismatches
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 65
LENGTH: 20
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US-09-953-115A-28045
; Sequence 28045, Application US/09953115A
; GENERAL INFORMATION:
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Matches 20; Conservative
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Matches 20; Conservative
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Matches 21; Conserv
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US-60-507-481-28158
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kistina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
PRIOR FILING DATE: 2001-07-30
SEQ ID NOS: 65
SEQ ID NO 36
LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REPERBNCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
PRIOR PILING DATE: 2004-01-29
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
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                                                                                               Sequence 36, Application US/10484441 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Matches 20, Conservative
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; FEATURE:
; OTHER INFORMATION: primer
US-09-605-166A-15
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US-09-396-196F-56288
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                                                                                                              SEQ ID NO 15
LENGTH: 26
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                                                                                                                                                                                                       TITLE OF INVENTION: Methods of Genetic Analysis of Rat FILE REPERENCE: 35.71
FILE REPERENCE: 35.71
CURRENT APPLICATION NUMBER: US/10/719,956
CURRENT FILING DATE: 2003-11-20
PRIOR PILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 196281
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Xue Medical Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Rat
FILE REFERENCE: 3527
CURRENT APPLICATION WIMBER: US/60/427,836
CURRENT APPLICATION WIMBER: US/60/427,836
NUMBER OF SEQ ID NOS: 699466
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 195281
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Existency, Sandra
APPLICANT: Existency, Sandra
APPLICANT: Brickson, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL. COA: CHOLESTEROL
TITLE OF INVENTION: ACYLITRANSFERASE (ACAT-2)
TITLE REFERENCE: UCAL-104(IP)
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT FILING DATE: 2003-07-22
PRIOR APPLICATION NUMBER: 09/328,857
                                                                                                              RESULT 125
US-10-719-956-196281
; Sequence 196281, Application US/10719956
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-60-427-836-196281
; Sequence 196281, Application US/60427836
; GENERAL INFORMATION:
417 GGCCATCGACTTCATTGATGAGG 439
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                                              GGCCATTGAGTTCATTGATGAGG 24
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; ORGANISM: Rattus norvegicus
US-10-719-956-196281
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; ORGANISM: Rattus norvegicus
US-60-427-836-196281
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US-09-605-166A-15
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Best Local S:
Matches 21
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                                                                                                                                                                                                                                                                                                                                                                                      4; Indels
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US-09-196F-56288/C
; Sequence 56288, Application US/09396196F
; GENERAL INFORMATION:
; APPLICANT: Michael Mittmann
; APPLICANT: David Mack
; APPLICANT: David Lockhart
; APPLICANT: David Lockhart
; TITLE OF INVENTION: Methods of Genetic Analysis
; FILE REFERENCE: 3101.1
; CURRENT APPLICATION NUMBER: US/09/396,196F
; CURRENT PILING DATE: 2001-09-15
; PRIOR FILING DATE: 1998-09-17
; NUMBER OF SEQ ID NOS: 127806
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 56288
; LANGTH: 25
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US-09-396-196G-56288/C

Sequence 56288 Application US/09396196G

GENERAL INFORMATION:
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: David Lockhart
APPLICANT: AFFWHIN: Methods of Genetic Analysis
ITLE OF INVENTION: Methods of Genetic Analysis
FILE REPERBNCE: 3101.1
CURRENT APPLICATION NUMBER: US/09/396,196G
CURRENT FILING DATE: 1998-09-15
PRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SEQ ID NO 56288
LANGTH: 25
TANGTH: 25
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1.2%; Score 19.6; DB 1;
Best Local Similarity 84.6%; Pred. No. 1.9e+02;
Matches 22; Conservative 0; Mismatches 4;
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PRIOR FILING DATE: 1999-06-08
PRIOR APPLICATION NUMBER: 60/090,354
PRIOR FILING DATE: 1998-06-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PASLSEQ for Windows Version 4.0
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ORGANISM: Artificial Sequence
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1088 TCAACGCCTTTGCCGAGATGCTAC 1111
               Sequence 33003, Application US/60507511 GENERAL'INFORMATION: APPLICANT: Wyeth
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Best Local Similarity 95.2
Matches 20; Conservative
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Matches 21; Conserv
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; ORGANISM: HOMO E
US-60-507-511-33003
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                                                                                                                                                                                                                                             SEQ ID NO 33003
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                                                                                                                                                                                                                                                              Sequence 131446 Application US/09954427A
GENERAL INFORMATION:
APPLICANT: Michael Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome FILE REFERENCE: 3112.1
CURRENT APPLICATION NUMBER: US/09/954,427A
CURRENT FILING DATE: 2001-09-17
PRIOR FILING DATE: 2001-09-18
NUMBER OF SEQ ID NOS: 422097
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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                                    1.2%; Score 19.4; DB 1; Length 25; 95.2%; Pred. No. 2e+02; Live 0; Mismatches 1; Indels
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Sequence 56288, Application US/10809189
Sequence 56288, Application US/10809189
APPLICANT: Michael Mittmann
APPLICANT: David Mack
APPLICANT: David Lockhart
APPLICANT: Affayetrix, Inc.
TITLE REFERENCE: 3101.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/809,189
CURRENT FILING DATE: 2004-03-25
FRIOR APPLICATION NUMBER: US/09/396,196
PRIOR FILING DATE: 1999-09-15
FRIOR APPLICATION NUMBER: 60/100,678
PRIOR FILING DATE: 1998-09-17
NUMBER OF SEQ ID NOS: 127806
SQO ID NO 56288
LENGTH: 25
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ORGANISM: Rattus Norvegicus
                   Query Match
Best Local Similarity 95...
Thes 20; Conservative
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; ORGANISM: mus musculus
US-10-809-189-56288
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Matches 20; Conserv
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US-09-954-427A-131448
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US-09-396-196G-56288
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LENGTH: 25
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RESULT 132

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APPLICANT: Mounts, William M
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: AM 101081
CURRENT APPLICATION NUMBER: US/60/507,511
CURRENT FILING DATE: 2003-10-02
NUMBER OF SEQ ID NOS: 203633
SOFTWARE: Patentin version 3.2
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Sequence 70 Application US/09992665;
GENERAL INFORMATION:
APPLICANT: Kaia Palm
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF NEOPLASTIC DISEASE;
FILE REFERENCE: CEMINES.002A
CURRENT APPLICATION NUMBER: US/09/992,665
CURRENT FILING DATE: 2000-11-16
PRIOR FILING DATE: 2000-11-16
NUMBER OF SEQ ID NOS: 380
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 70
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US-09-953-115A-16549/C
Sequence 16549, Application US/09953115A
SEQUENCE 16549, Application US/09953115A
SEGUENCE INFORMATION:
APPLICANT: Mitthmann, Michael
TITILE OF INVENTION: Methods of Analysis of Human Genes
FILE REFERENCE: 3111.11
CURRENT PAPLICATION NUMBER: US/09/953,115A
CURRENT FILING DATE: 2001-09-13
PRIOR PILING DATE: 2000-09-14
NUMBER OF SEQ ID NOS: 33029
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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95.2%; Pred. No. 2e+02;
cive 0; Mismatches 1;
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US-09-954-427A-353418
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US-09-954-27-319630/c

Sequence 319630, Application US/09954427

SEQUENCE 319630, Application US/09954427

SERIESAL INFORMATION:
APPLICANT: Mittmann

APPLICANT: Mittmann

TITLE OF INVENTION: Methods of Genetic Analysis of the Rat

TITLE OF INVENTION: Genome

TITLE OF INVENTION: Genome

CURRENT PELICATION NUMBER: US/09/954,427

CURRENT FILING DATE: 2001-09-17

NUMBER OF SEQ ID NOS: 420907

SEQ ID NO 319630

LENGTH: 25
                                                                                    Query Match
1.2%; Score 19.2; DB 1; Length 25;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
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TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
TITLE OF INVENTION: Genome
FILE REFERENCE: 3112
CURRENT APPLICATION NUMBER: US/09/954,427
CURRENT FILING DATE: 2001-09-17
NUMBER OF SEQ ID NOS: 420907
SOFTWARE: FastSEQ for Windows Version 4.0
LENGTH: 25
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1.2%; Score 19.2; DB 1;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 21; Conservative 0; Mismatches 3;
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CRGANISM: Rattus norvegicus
PUBLICATION INFORMATION:
JATABASE ACCESSION NUMBER: Genbank AA817796
US-09-954-427-8860
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; DATABASE ACCESSION NUMBER: GenBank L03382
US-09-954-427-319630
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                                                                                                                                                                                                            25 CCTGGGACCCTCTATGTCAGGTGG 2
                                                                                                                                                                                                                                                                                                                   Sequence 8860, Application US/09954427
GENERAL INFORMATION:
APPLICANT: Mittmann
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                        ; ORGANISM: Homo sapien
US-09-953-115A-16549
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Matches 21; Conserva
                                                                                                                                                                                                                                                                                                     US-09-954-427-8860/c
; TYPE: DNA
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GENERAL INFORMATION: Methods of Genetic Analysis of the Rat Genome

TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome

FILE REPERENCE: 3112.1

CURRENT APPLICATION NUMBER: US/09/954,427A

CURRENT FILING DATE: 2001-09-17

PRIOR APPLICATION NUMBER: G6/233,166

PRIOR PILING DATE: 2000-09-18

NUMBER OF SEQ ID NOS: 420907

SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1

LENGTH: 25
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APPLICANT: Michael Mittmann

TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome

FILE REPERENCE: 3112.1

CURRENT APPLICATION NUMBER: US/09/954,427A

CURRENT FILING DATE: 2001-09-17

PRIOR FILING DATE: 2000-09-18

NUMBER OF SEQ ID NOS: 420907

SEQ ID NO 358886

LENGTH: 25
Sequence 353418, Application US/09954427A
GENERAL INFORMATION:
APPLICANT Michael Mittmann
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat Genome
FILE REFERENCE: 3112.1
CURRENT APPLICATION NUMBER: US/09/954,427A
CURRENT FILING DATE: 2001-09-17
PRIOR FILING DATE: 2000-09-18
PRIOR FILING DATE: 2000-09-18
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SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 353418
LENGTH: 25
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ORGANISM: Rattus Norvegicus
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CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 922481
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Barts, Jennifer
TITLE OF INVENTION: Methods of Genetic Analysis of E. coli
FILE REFERENCE: 3700
CURRENT APPLICATION WINBER: US/10/933,982
CURRENT FILING DATE: 2004-09-03
NUMBER OF SEQ ID NOS: 224976
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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APPLICANT: Affymetrix, Inc.
TITLE OF INVENTION: Methods of Genetic Analysis of the Rat
FITLE OF INVENTION: Genome
FILE REPERENCE: 3112
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Pred. No. 2.1e+02;
0; Mismatches 3;
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US-60-233-166-8860
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CURRENT APPLICATION NUMBER: US/60/233,166
CURRENT FILING DATE: 2000-10-24
CURRENT FILING DATE: 2000-10-24
SUMUMBER OF SEQ ID NOS: 420907
SOFTWARE: PastSEQ for Windows Version 4.0
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                                                                                                                                                                   TYPE: DNA
ORGANISM: Mus musculus
US-10-719-900-922481
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Best Local Similarity
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; ORGANISM: E. coli
US-10-933-982-4119
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LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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                                                  Query Match 1.2%; Score 19.2; DB 1; Length 25; Best Local Similarity 87.5%; Pred. No. 2.1e+02; Matches 21; Conservative 0; Mismatches 3; Indels
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1.2%; Score 19.2; DB 1; Length 25;
Best Local Similarity 87.5%; Pred. No. 2.1e+02;
Matches 21; Conservative 0; Mismatches 3; Indels
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 35.28
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 708096
LENGTH: 25
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GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITLE OF INTLE OF ST28.1
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
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; Sequence 708096, Application US/10719900
; GENERAL INFORMATION:
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US-10-355-577-231345
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     US-09-954-427A-358886
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US-10-719-900-922481
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Best Local S:
Matches 21
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Matches 21; Conservative
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  ; ORGANISM: Mus musculus
US-60-427-808-708096
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US-60-427-808-922481
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US-10-714-333A-572077
                                                             Query Match
Best Local Similarity
Matches 21; Conserv
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Best Local Similarity
Matches 15; Conserv
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT PILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 231345
LENGTH: 25
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                                                           US-60-233-166-319630/c

i Sequence 319630, Application US/60233166

i GENERAL INFORMATION:

APPLICANT: Mittmann

APPLICANT: Affymetrix, Inc.

ITILE OF INVENTION: Methods of Genetic Analysis of the Rat

TITLE OF INVENTION: Genome

PILE REFERENCE: 3112

CURRENT PELICATION NUMBER: US/60/233,166

CURRENT PELICATION NOWBER: US/60/233,166

CURRENT FILING DATE: 2000-10-24

NUMBER OF SEQ ID NOS: 420907

SEQ ID NO 319630

LENGTH: 25

TYPE: DNA
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
TITLE REFERENCE: 3202.
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
CURRENT FILING DATE: 2002-11-20
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 708096
TYPE: DNA
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; DATABASE ACCESSION NUMBER: GenBank L03382
US-60-233-166-319630
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US-60-353-987-231345/c
; Sequence 231345, Application US/60353987
; GENERAL INFORMATION:
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TTGGTTGTCATTGGAGTAATGTTG
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Best Local Similarity 87.5
Matches 21; Conservative
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; ORGANISM: Homo sapien
US-60-353-987-231345
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    Length 25;
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Expoolds, Angela
APPLICANT: Expoolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/10/114,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572077
LENGTH: 19
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87.5%; Pred. No. 2.1e+02;
tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 922481
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.2%; Score 19; DB 1; Length 19; 78.9%; Pred. No. 1.7e+02; tive 4; Mismatches 0; Indels
                                                Indels
Score 19.2; DB 1;
Pred. No. 2.1e+02;
0; Mismatches 3;
                                                                                             507 CIGGGIGCCCAIGITTCIGICCAC 530
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; Sequence 922481, Application US/60427808
; GENERAL INFORMATION:
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Asrabal, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFREENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572081
LENGTH: 19
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APPLICANT: Khvorova, Anastasla
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Leak, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
TITLE OF PRINGENTER: 2003-11-14
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ. ID NOS: 1591911
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Best Local Similarity 63.2%; Pred. No. 1.7e+02;
Matches 12; Conservative 7; Mismatches 0;
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; Sequence 572089, Application US/10714333A
; GENERAL INFORMATION:
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1 GUUCAUCGCUGGCCUGUGU 19
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                              Anastasia
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APPLICANT: Khvorova, Anastasia
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Best Local Similarity 78.9%;
Matches 15; Conservative 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572081
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US-10-714-333A-572082
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US-10-714-333A-572082
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LENGTH: 19
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      | SERREAL INFORMATION:
| GENERAL INFORMATION:
| APPLICANT: Dharmacon, Inc. |
| APPLICANT: Dharmacon, Inc. |
| APPLICANT: Edviced and the property of the prope
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Pred. No. 1.7e+02;
6; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 572080, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Keynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, Milliam
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 19; DB 1;
Pred. No. 1.7e+02;
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572080
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Best Local Similarity 68.4
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572079
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        , ORGANISM: Homo sapiens
US-10-714-333A-572080
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Best Local Similarity
IS-10-714-333A-572079
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MS-10-714-333A-572094
Sequence 572094, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Daramacon, Inc.
APPLICANT: Revnoids, Angela
APPLICANT: Revnoids, Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                               Scaringe, Stephen
                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572091
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CORGANISM: Homo sapiens
US-10-714-333A-572093
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LENGTH: 19
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Leake, Devin

Leake, Devin

Marchall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Stephen

TILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

SROFTWARE: PROPILE 2002-11-14

SOFTWARE: PROPILE 2002-11-14

SOFTWARE: PROPILE 2002-11-14

SEQ ID NO 5:159191

TYPE: PROPILE 2008-11-14

TYPE: PROPILE 2008-11-14
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Sequence 572090, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Beach, Devin
APPLICANT: Beach, Devin
APPLICANT: Beaching, William
APPLICANT: Scaringe, Stephen
TILE OF INVENTION: Functional and Hyperfunctional siRNA;
TILE OF INVENTION: Punctional and Hyperfunctional siRNA;
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PELICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14

NUMBER OF SED ID NOS: 1591911

SOFTWARE: Proprietary
SEQ ID NO 572090

LENGTH: 19
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Pred. No. 1.7e+02;
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APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Ansatasia APPLICANT: Reynolds, Angela APPLICANT: Leake, Devin APPLICANT: Leake, Devin APPLICANT: Marshall, William
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78.9%;
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Best Local Similarity 78.9
Matches 15; Conservative
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Best Local Similarity 63.2
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-714-333A-572090
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TILE REPERENCE: 13499US
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-10-0
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572091
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                                                                                                                                                                                                                                                                                                                                                                           2; Mismatches
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; Sequence 572093, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 89.5%;
Matches 17; Conservative 2
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1.2%; Sco. 57.9%; Pred. No. 1...
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PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572096
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
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1 CUGAUACUCUUCCUUGUCA 19
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Best Local Similarity 57.9
Matches 11; Conservative
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Best Local Similarity 78.9
Matches 15; Conservative
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US-10-714-333A-572098
                                                                                                                                                                           , ORGANISM: Homo sapiens
US-10-714-333A-572096
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                                                                                                                                                                                                                                                                                                                                                         0; Gaps
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APPLICANT: Khorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 522095
LENGTH: 19
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US-10-714-333A-572096
; Sequence 572096. Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.;
; APPLICANT: Reynolds, Angela
; APPLICANT: Marshall, William
; APPLICANT: Cartinge, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 05/502,050
                                                                                                                                                                                                                                                                                                               Length 19;
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                                                                                                                                                                                                                                                                                                           1.2%; Score 19; DB 1; 184.2%; Pred. No. 1.7e+02; tive 3; Mismatches 0
      CURRENT APPLICATION NUMBER: US/10/714,333A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 572095, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
                        CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                     16, Conservative
                                                                                                                                                                                                                    TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572094
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity
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LENGTH: 19
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Sequence 57098, Application US/10714333A;
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: KRYOTOVA, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Searings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA;
FILER REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILOR DATE: 2003-11-14
PRIOR PLILOR DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572098
LEMOTH: 19
Score 19; DB 1; Length 19; Pred. No. 1.78+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 572099, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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Sequence 572104, Application US/10714333A GENERAL INFORMATION:
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Best Local Similarity 73.7
Matches 14; Conservative
                                                                                                          Query Match
Best Local Similarity 78.9
Matches 15; Conservative
                    ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572101
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US-10-714-333A-572104
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ORGANISM: Homo sapiens
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LENGTH: 19
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sequence 572101, Application US/10714333A
sequence 572101, Application US/10714333A
sequence 572101, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Chrorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Barshall, William
APPLICANT: Barshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499UE
CURRENT PELICATION NUMBER: US/10/714,333A
CURRENT PELING DATE: 2003-11-14
FRIOR FILING DATE: 2003-0-10
FRIOR APPLICATION NUMBER: 60/426,137
FRIOR APPLICATION NUMBER: 60/426,137
FRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 572100
LENGTH: 19
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                                                                                                                                                                            1.2%; Score 19; DB 1; Length 19;
47.4%; Pred. No. 1.7e+02;
tive 10; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 572100, Application US/10714333A GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                         951 CCTCTGTGTTCCTGTCTTT 969
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  NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                     Best Local Similarity 47.49
Matches 9; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-572100
                                                                                          TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572099
                       SOFTWARE: Proprietary
SEQ ID NO 572099
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                    RESULT 163
US-10-714-333A-572100
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US-10-714-333A-572105

Sequence 572105, Application US/10714333A

GENERAL INPORMATION:
APPLICANT: CANORY Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Scaringe, Stephen
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572105

LENGTH: 19
                                                                                                                                                                                                                                                                                                     APPLICANT: EXPANDENCY, ADSTRACT,
APPLICANT: RAVOCOVA, ADSTRACIA
APPLICANT: RAVOCOVA, ADSTRACIA
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572104
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Length 19;
1.2%; Score 19; DB 1; 78.9%; Pred. No. 1.7e+02; tive 4; Mismatches 0
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Gaps
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; APPLICANT: Dharmacon, Inc.
; APPLICANT: Chormacon, Inc.
; APPLICANT: Khorova, Anatasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
; APPLICANT: Research (1)
; APPLICANT: Argent (2)
; APPLICANT: Scarings, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT FILING DATE: 2003-11-14
; PRIOR PLICATION NUMBER: 60/502,050
; PRIOR PLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                      APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Leak, Devin
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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Pred. No. 1.7e+02;
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Pred. No. 1.7e+02;
6; Mismatches 0; Indels
                                0; Indels
       Fred. No. 1.7e+02;
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68.4%; Pred. No. 1.
6; Mismatches
63.2%; Fred. w.
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US-10-714-333A-572110
; Sequence 572110, Application US/10714333A
; GENERAL INFORMATION:
                                                               Qy 1428 GATGTGGACCATGCTGTT 1446
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                                                                                                       1 GAUGUGGACCAUGCUGUUU 19
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Best Local Similarity 68.4%;
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 68.4
Matches 13; Conservative
       Best Local Similarity 63.2
Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572110
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572112
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Best Local Similarity
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US-10-714-333A-572112
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LENGTH: 19
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LENGTH: 19
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                                                                                                    Gaps
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                                                     1.2%; Score 19; DB 1; Length 19; 73.7%; Pred. No. 1.7e+02; ive 5; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                      Sequence 572107...*
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE REFERENCE: 13499US
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 572109, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                            213 TATACAATCCTACCCATCA 231
                                                                                                                                                                      1 UAUACAAUCCUACCCAUCA 19
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                                                   Query Match
Best Local Similarity 73.74
Matches 14; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572107
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ORGANISM: Homo sapiens
           US-10-714-333A-572105
                                                                                                                                                                                                                                                                               US-10-714-333A-572107
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Query Match

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                                                                                                                        APPLICANT: Characton, Inc.
APPLICANT: Chyorova, Ansstasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Bearinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 2003-10-1-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ IN NOS: 1591911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1.2%; Score 19; DB 1; Length 19; 63.2%; Pred. No. 1.7e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7; Mismatches
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US-10-714-333A-572117
Sequence 572117, Application US/10714333A
; GENBRAL INFORMATION:
                                                                              Sequence 572116, Application US/10714333A GENERAL INFORMATION:
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US-10-714-333A-572116
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Matches 14; Conserv
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Best Local Similarity
                                                           US-10-714-333A-572116
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LENGTH: 19
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                                                                                                                 US-10-714-333A-572113
; Sequence 572113, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.; APPLICANT: Rhyorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Narshall, Milliam
; APPLICANT: Jeake, Devin
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Rhyorova, Anastasia
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respended, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572115
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89.5%; Pred. No. 1...
2; Mismatches
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.2%; Score 19; DB Best Local Similarity 73.7%; Pred. No. 1.7e Matches 14; Conservative 5; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; Sequence 572115, Application US/10714333A; GENERAL INFORMATION:
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1546 CGATCTTGGTCCTGCCATA 1564
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                       1 ACAAUGGACCCGACACAUG 19
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nes 17; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-572115
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US-10-714-333A-572113
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                                       APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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APPLICANT: Dharmacon, Anaetesia
APPLICANT: Rhyorova, Anaetesia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Restinge, Stephen
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572122
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 68.4%; Pred. No. 1.7e+02; Matches 13; Conservative 6; Mismatches 0; Indels
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Pred. No. 1.7e+02;
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68.4%; Pred. No. 1...
6; Mismatches
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; Sequence 572122, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence:572125, Application US/10714333A
; GENERAL INFORMATION:
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                     Khvorova, Anastasia
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APPLICANT: Khvorova, Anasta
APPLICANT: Reynolds, Angela
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Best Local Similarity 68.4
Matches 13; Conservative
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US-10-714-333A-572121
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US-10-714-333A-572122
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LENGTH: 19
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Sequence 572120, Application US/10714333A
Sequence 572120, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Khvorova, Anastasia
APPLICANT: Kernolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Rernolds, Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TTILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 571220
LENGTH: 19
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                                                             APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
IITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.2%; Score 19; DB 1; Best Local Similarity 73.7%; Pred. No. 1.7e+02; Matches 14; Conservative 5; Mismatches 0
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PRILAGATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 572118
LENGTH: 19
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              ; Sequence 572118, Application US/10714333A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        839 TCATCTACAGGGAGACTTA 857
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          204 GCGGGAGGCTATACAATCC 222
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572118
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572120
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US-10-714-333A-572121
US-10-714-333A-572118
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US-10-714-333A-572130

i Sequence 572130, Application US/10714333A

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j Sequence 572130.

APPLICANT: Dharmacon, Inc.

APPLICANT: Eaveloids, Angela

APPLICANT: Leake, Devin

APPLICANT: Argenalds, Angela

APPLICANT: Argenalds, Angela

APPLICANT: Argenalds, Stephen

APPLICANT: Scarings Stephen

APPLICANT: Marshall, William

APPLICANT: Scarings Stephen

ITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR PILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 572130
                                                                                                                                                                                                                                                                                                                                                                                    Length 19;
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Gazringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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Best Local Similarity 89.5%; Pred. No. 1.7e+02;
Matches 17; Conservative 2; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                 1.2%; Score 19; DB 1; 384.2%; Pred. No. 1.7e+02;
                   FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: US/050
FRIOR PRIOR PILING DATE: 2003-10-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 572131, Application US/10714333A
; GENEAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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US-10-714-333A-572129
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US-10-714-333A-572130
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Best Local Similarity
Matches 16; Conserv
                                                                                                                                                                                                                                                                                        TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 572126, Application US/10714333A
GENERAL INPORMATION:
APPLICANT: Characon, Inc.
APPLICANT: KNorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                        APPLICANT: Marshall, William APPLICANT: Scaringe, Stephen TITE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 13499US
                                                                                                                 CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572125
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 572126
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Sequence 572129, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Scaringe, Stephen

APPLICANT: Scaringe, Stephen
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Matches 19; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-572125
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US-10-714-333A-572126
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US-10-714-333A-572126
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APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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US-10-714-333A-572133
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US-10-714-333A-572135
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LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 572132, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marehall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FIRE REFERENCE: 13499US
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Rese, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
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1.2%; Score 19; DB 1; 1
Best Local Similarity 52.6%; Pred. No. 1.7e+02;
Matches 10; Conservative 9; Mismatches 0.
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 572131
LENGTH: 19
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Matches 15; Conservative
                                                                                                                                                                                                  TYPE: RNA
CORGANISM: Homo Bapiens
US-10-714-333A-572131
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; ORGANISM: Homo sapiens
US-10-714-333A-572132
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US-10-714-333A-572133
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APPLICANT: Dharmacon, Inc. APPLICANT: Khvorova, Anas
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                                     ; ORGANISM: Homo sapiens
US-10-714-333A-572137
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LRNGTH: 19
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LENGTH: 19
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; TYPE: RNA
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US-10-714-333A-572137

Sequence 572137, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Responds, Angela
APPLICANT: Beake, Devin
APPLICANT: Marshall, William
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-572136
Sequence 572135, Application US/10714333A
Sequence 572135, Application US/10714333A
Sequence 572135, Application US/10714333A
Sequence 572135
APPLICANT: Carrier C
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Matches 14; Conservative
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Matches 12; Conservative
                                                                                                               TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572135
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ORGANISM: Homo sapiens
       SOFTWARE: Proprietary
SEQ ID NO 572135
LENGTH: 19
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APPLICANT: Chrorova, Anastasia
APPLICANT: Keynolda, Angela
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ IN NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPRENCE: 13499US
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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Length 19
                                                  0; Indels
  Score 19; DB 1;
Pred. No. 1.7e+02;
                                                  6; Mismatches
                                                                                                                                                                                                                                                                              Sequence 572140, Application US/10714333A GENERAL INFORMATION:
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                                                                                                       450 GCTGGAGTTTGACCTACTG 468
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Best Local Similarity 68.4%;
Matches 13; Conservative 6
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3; Mismatches

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APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Reynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICANTON NUMBER: 60/502.050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PRILNG DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 572145
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                   APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scarter
APPLICANT: Scarter
APPLICANT: Scarter
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILER REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
REIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPILEARY
SEQ ID NO 572144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 84.2%; Pred. No. 1.7e+02; Matches 16; Conservative 3; Mismatches 0; Indels
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                                                                                                                                                    RESULT 194
US-10-714-333A-572144
i Sequence 572144, Application US/10714333A
j GENEAL INFORMATION:
j APPLICANT: Darmacon, Inc.
j APPLICANT: Khvorova, Anastasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-714-333A-572145
; Sequence 572145, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 68.44
Matches 13, Conservative
16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          TYPE: RNA
) ORGANISM: Homo sapiens
US-10-714-333A-572145
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Matches
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                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Rkhvorova, Anastasia
APPLICANT: Reakolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Character, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572143
                      Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 63.2%; Pred. No. 1.7e+02; Matches 12; Conservative 7; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 19; DB 1; Length 19; Pred. No. 1.7e+02;
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Pred. No. 1.7e+0
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; Sequence 572143, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                      1297 GCCCATGAGTATATCTTCT 1315
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                                                                                                                                                  1 GCCCAUGAGUAUAUCUUCU 19
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Best Local Similarity 73.7%;
Matches 14; Conservative
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ORGANISM: Homo Bapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo sapiens
US-10-714-333A-572142
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Best Local Similarity
                                                                                                                                                                                                                                          RESULT 192
US-10-714-333A-572142
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RESULT 200
US-10-714-333A-572151
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US-10-714-333A-572148
Sequence 572148, Application US/10714333A
Sequence 572148, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Keynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Beake, Devin
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572148
                                                                                                                  Sequence 572146, Application US/10714333A;
Sequence 572146, Application US/10714333A;
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorcva, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Bershall, William
APPLICANT: Bershall, William
APPLICANT: Marshall, William
CURRENT FILING Fenctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PELICATION NUMBER: 60/502,050
PRIOR PELICATION NUMBER: 60/426,137
PRIOR PELICATION NUMBER: 60/426,137
PRIOR PELICATION NUMBER: 60/426,137
PRIOR PELING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 572146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
1.2%; Score 19; DB 1; Length 19;
Best Local Similarity 84.2%; Pred. No. 1.7e+02;
Matches 16; Conservative 3; Mismatches 0; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1.2%; Score 19; DB 1; Length 19;
68.4%; Pred. No. 1.7e+02;
iive 6; Mismatches 0; Indels
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|||:||:||:||:|||:|||
| GGCUGCUGCUGGAGUUUGA 19
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Best Local Similarity 68.4
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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                                                      APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERBNCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOPTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: FUNCTION NUMBER: 60/502,050
PRIOR PPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHARD: Proprietary
SEQ ID NO 572150
LENGTH: 19
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Pred. No. 1.7e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   4; Mismatches
Sequence 572149, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-714-333A-572150
; Sequence 572150, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1182 GAACGTGGTGGTCCATGAC 1200
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Best Local Similarity 78.9
Matches 15; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-572150
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572149
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Best Local Similarity
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APPLICANT: Khorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Assaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
CURRENT FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-10-10
PRIOR PILING DATE: 2003-10-14
NUMBER OF SEQ ID NOS: 1591911
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                                          APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Score 19; DB 1;
Pred. No. 1.7e+02
                                                                                                                                                                                                                       CURRENT PEPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-572158
; Sequence 572158, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 572154, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1046 TCATGCTGCTGCTCATCTT 1064
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APPLICANT: Khvorova, Anastasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.2%;
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Matches 11; Conservative
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Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-572153
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LENGTH: 19
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APPLICANT:
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Sequence 572152, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Chrorova, Anastasia
APPLICANT: Krynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 134990S
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
                                                                 APPLICANT: Characton, Inc.
APPLICANT: Characton, Anastasia,
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respect Carring Community Commu
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Pred. No. 1.7e+02
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., Application US/10714333A
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; Sequence 572153, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 57.9*;
Matches 11; Conservative
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Best Local Similarity 94.73
Matches 18; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-572152
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US-10-714-333A-572151
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Sequeal INFORMATION:
Sequeal INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Risk J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REPERENCE: ISPH-0588
CURRENT PAPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: ROBERTH MARK J. Graham
APPLICANT: MARK J. GRAHAM
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
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Best Local Similarity 100.0%; Pred. No. 1.8e+02;
Matches 19; Conservative 0; Mismatches 0;
                                                                                                                                                                                                                                                                                                                                                                                    1.2%; Score 19; DB 1; I
84.2%; Pred. No. 1.7e+02;
                            CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Propiletary
SOFTWARE: Propiletary
LENGTH: 19
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-58
                                                                                                                                                                                                                                                                                                                                                                                                                                   3; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 58, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1133 ACCGGGACTGGTGGAACTC 1151
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      407 TCAGCACCCTGGCCATCGA 425
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                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 84.2
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-10-714-333A-572160
          FILE REFERENCE: 13499US
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LENGTH: 20
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LENGTH: 20
                                                                                                                                                                                                                                                                                    TYPE: RNA
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APPLICANT: Characton, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349905
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 572158
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.2%; Score 19; DB 1; Length 19; Best Local Similarity 73.7%; Pred. No. 1.7e+02; Matches 14; Conservative 5; Mismatches 0; Indels
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
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US-10-714-313A-572160
; Sequence 572160, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1292 CAGTGGCCCATGAGTATAT 1310
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1 UCUCCGCAGUGGCCCAUGA 19
                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-572158
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CORGANISM: Homo sapiens
US-10-714-333A-572159
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US-10-714-333A-572159
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
TATLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REFERENCE: 3121
GURRENT APPLICATION NUMBER: US/10/355,577
CURRENT FILING DATE: 2003-01-31
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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US-10-255-577-248204/c
US-10-255-577-248204, Application US/10355577
; GENERAL INFORMATION:
; APPLICANT: Mitthean, Michael
; APPLICANT: Mitthean, Michael
; FILE REFERENCE: 3121
CURRENT APPLICATION NUMBER: US/10/355,577
; CURRENT FILING DATE: 2003-01-31
; NUMBER OF SEQ ID NOS: 997516
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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US-09-956-584A-401061/c
; Sequence 401061, Application US/09956584A
; GRNERAL INFORMATION:
; APPLICANT: Mitteman, Michael
; TITLE OF INVENTION: Genetic Analysis of Mouse
; FILE REPERENCE: 3115.11
; CURRENT PELING DATE: 2001-09-19
; PRIOR APPLICATION NUMBER: US/09/956,584A
; PRIOR FILING DATE: 2000-09-20
; RIOR FILING DATE: 2000-09-20
; NUMBER OF SEQ ID NOS: 605887
; SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
; SEQ ID NO 401061
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1.2%; Score 18.8; DB 1; Length 25;
90.9%; Fred. No. 2.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                  Length 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                               1.2%; Score 18.8; DB 1;
90.9%; Pred. No. 2.3e+02;
tive 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 24 GAGCAGGAGCCACGAGCCATCC 3
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Best Local Similarity 90.9°
Matches 20; Conservative
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Matches 20; Conservative
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Matches 20; Conservative
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US-10-355-577-611341
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ORGANISM: Homo sapien
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US-10-355-577-611341/c
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LENGTH: 25
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...veuCANT: Mark J. Graham
; APPLICANT: Kristina M. Lemonidis
; TILE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
; FILE REFERENCE: ISPH70694
; CURRENT APPLICATION NUMBER: US/10/484,441
; CURRENT FILING DATE: 2004-01-29
; PRIOR FILING DATE: 2001-07-30
; NUMBER OF SEQ ID NOS: 65
; SEQ ID NO 58
; LENGTH: 20
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APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Genetic Analysis of Mouse
FILE REFERENCE: 3115.1
CURRENT APPLICATION NUMBER: US/09/956,584A
CURRENT FILING DATE: 2001-09-19
PRIOR PILING DATE: 2000-09-20
NUMBER OF SEQ ID NOS: 605887
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 195181
LENGTH: 25
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                                                                                                                          Query Match 1.2%; Score 19; DB 1; Length 20; Best Local Similarity 100.0%; Pred. No. 1.8e+02; Matches 19; Conservative 0; Mismatches 0; Indels
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Local Similarity 100.0%; Pred. No. 1.8e+02;
les 19; Conservative 0; Mismatches 0;
                                            ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
US-09-918-026A-58
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-484-441-58
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                                                                                                                                                                                                                   1133 ACCGGGACTGGTGGAACTC 1151
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Matches 20; Conservative
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Best Local S:
Matches 19
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TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
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Pred. No. 2.3e+02;
0; Mismatches 2; Indels
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       APPLICANT: Xue Mei Zhou
TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 922643
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TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528.1
CURRENT APPLICATION NUMBER: US/10/719,900
CURRENT FILING DATE: 2003-11-20
PRIOR APPLICATION NUMBER: 60/427,808
PRIOR FILING DATE: 2002 11 20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO 922644
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; Sequence 248204, Application US/60353987
; GENERAL INFORMATION:
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Best Local Similarity 90.9%;
Matches 20; Conservative (
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Best Local Similarity 90.9
Matches 20; Conservative
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US-10-719-900-922644
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US-60-353-987-248204
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Best Local Similarity
GENERAL INFORMATION:
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LENGTH: 25
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APPLICANT: Mychael B.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Twine, Natalie C.
APPLICANT: Dornar, Andrew J.
APPLICANT: Trepicchio, William L.
APPLICANT: Slowim, Donna K.
APPLICANT: Stower, Jennifer A.
APPLICANT: Stower, Jennifer A.
TITLE OF INVENTYON: METHODS FOR DIAGNOSING RCC AND OTHER SOLID TUMORS FILE REFERENCE: AM101080L
CURRENT PEPLICANTON NUMBER: US/10/717,597
CURRENT FILING DATE: 2003-104-03
PRIOR FILING DATE: 2003-04-03
PRIOR FILING DATE: 2002-11-21
NUMBER OF SEQ ID NOS: 4904
SOFTWARE: Patentin version 3.2
SEQ ID NO 573
LENGTH: 25
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; GENERAL INFORMATION:
; APPLICANT: Kue Mei Zhou
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
; CURRENT APPLICATION NUMBER: US/10/719,900
; CURRENT APPLICATION NUMBER: 60427,808
; PRIOR APPLICATION NUMBER: 60427,808
; PRIOR FILING DATE: 2002 11 20
; NUMBER OF SEQ ID NOS: 982914
; SEQ ID NO 368436
; LENGTH: 25
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                         236 ACAAACCICTGCCCCCACCICC 257
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                                                                                                                                                                                           ; Sequence 573, Application US/10717597; GENERAL INFORMATION: APPLICANT: Wyeth
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                                                                     22 AGAAACCTCTGCCCCTACCTCC 1
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Best Local Similarity 90.9
Matches 20; Conservative
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; ORGANISM: Homo sapiens
US-10-717-597-573
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CORGANISM: Mus musculus
US-10-719-900-368436
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US-10-719-900-922643
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CURRENT APPLICATION NUMBER: US/60/507,511
CURRENT FILING DATE: 2003-10-02
NUMBER OF SEQ ID NOS: 203623
SOFTWARE: Patentin version 3.2
SEQ ID NO 77492
LENGTH: 25
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Best Local Similarity 90.9%;
Matches 20; Conservative (
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Matches 20; Conservative
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US-60-427-808-922644
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US-60-507-511-77492
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Matches 20; Conserv
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US-60-427-808-922644
US-60-427-808-922643
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US-60-545-213-186753
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                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Mittmann, Michael
TITLE OF INVENTION: Methods of Genetic Analysis of Probes: HG-U133
FILE REPERENCE: 3121
CURRENT APPLICATION NUMBER: US/60/353,987
CURRENT FILING DATE: 2002-02-01
NUMBER OF SEQ ID NOS: 997516
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
LENGTH: 25
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US-60-427-808
US-60-427
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US-60-427-808-922643
i Sequence 922643, Application US/60427808
i Sequence 922644, Application US/60427808
i GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
i TITLE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 32.8
CURRENT APPLICATION NUMBER: US/60/427,808
i CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
i SEQ ID NO 922643
i LENGTH: 25
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1.2%; Score 18.8; DB 1;
Best Local Similarity 90.9%; Pred. No. 2.38+02;
Matches 20; Conservative 0; Mismatches 2;
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; Sequence 611341, Application US/60353987
; GENERAL INFORMATION:
                                                     1189 GTGGTCCATGACTGGCTGTACA 1210
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             236 ACAAACCTCTGCCCCCACCTCC 257
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          4 CTACTGCTTCCTGAGAGAGCCT 25
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA
CORGANISM: Homo sapien
US-60-353-987-611341
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Matches 20; Conserv
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Sequence 77492, Application US/60507511
GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Mounts, William M
APPLICANT: Mounts, William M
TITLE OF INVENTION: UNCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: AM 101081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Wyeth
APPLICANT: Mounes, William Martin
TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
TITLE OF INVENTION: Target Genes
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Length 25;
                                                                                                                                                                                                                                                                                                Sequence 922644, Application US/60427808

Sequence 922644, Application US/60427808

GENERAL INFORMATION:
APPLICANT: Xue Mei Zhou
TITIE OF INVENTION: Methods of Genetic Analysis of Mouse
FILE REFERENCE: 3528
CURRENT APPLICATION NUMBER: US/60/427,808
CURRENT FILING DATE: 2002-11-20
NUMBER OF SEQ ID NOS: 982914
SOFTWARE: Microarray Probe Sequence Listing Generator V 1.1
SEQ ID NO.922644
Score 18.8; DB 1;
Pred. No. 2.3e+02;
0; Mismatches 2;
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WS-10-484-441-52/c

Sequence 52, Application US/10484441

Sequence 52, Application US/10484441

Sequence 52, Application US/10484441

Sequence 52, Application US/10484441

APPLICANT: Mark J. Graham

CURRENT APPLICANTON: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI

CURRENT APPLICATION NUMBER: US/10/484,441

CURRENT APPLICATION NUMBER: US/10/484,441

CURRENT APPLICATION NUMBER: 09/918,026

PRIOR APPLICATION NUMBER: 09/918,026

PRIOR FILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65
                                                                                                                                                                                                                                                                                                                                         APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Markstina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION UNMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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95.0%; Pred. No. 2.1e+02;
tive 0; Mismatches 1; Indel8
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Best Local Similarity 95.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 1; Indels
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1.2%; Score 18.4; DB 1;
Best Local Similarity 95.0%; Pred. No. 2.1e+02;
Matches 19; Conservative 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ), OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-52
                                                                                                                                                                                                                                 US-09-918-026A-52/c; Sequence 52, Application US/09918026A; GENERAL INFORMATION:
                                                                            743 GAGAGGCTGTGCCTGGGATC 762
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             743 GAGAGGCTGTGCCTGGGATC 762
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                                                                                                                                                                                                                                                                                                                APPLICANT: Rosanne M. Crooke
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Matches 19; Conservative
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US-09-605-166-9/c
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LENGTH: 20
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LENGTH: 20
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| Sequence 52, Application PC/TUS0222746
| Sequence 52, Application FC/TUS0222746
| APPLICANT: Rosanne M. Crooke
| APPLICANT: Rosanne M. Crooke
| APPLICANT: Rosanne M. Lemonidis
| APPLICANT: Mark J. Graham
| FILLE OF INVENTION: EXPRESSION
| FILLE OF INVENTION: EXPRESSION
| FILLE OF INVENTION: EXPRESSION
| FILLE OF INVENTION: DATE: 2002-07-15
| FILLE OF FILLING DATE: 2001-07-30
| RIOR APPLICATION NUMBER: 09/918,026
| RIOR APPLICATION NUMBER: 09/918,026
| RIOR APPLICATION NUMBER: 09/918,026
| BRIOR FILLING DATE: 2001-07-30
| SEQ ID NO 52
| LIBEGTH: 20
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APPLICANT: Worth
APPLICANT: Wounts, William Martin
APPLICANT: Wounts, William Martin
TITLE OF INVENTION: Nucleic Acid Arrays for Monitoring Expression Profiles of Drug
TITLE OF INVENTION: Target Genes
FILE REFERENCE: AM101083 (031996-042099)
CURRENT APPLICATION NUMBER: US/60/545,213
CURRENT FILING DATE: 2004-02-18
NUMBER OF SEQ ID NOS: 303284
SOFTWARE: Pacentin version 3.2
SOFTWARE: Pacentin version 3.2
LENGTH: 25
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                                                                                                                                                                                                                                                                                           Length 25;
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90.9%; Pred. No. 2.3e+02;
tive 0; Mismatches 2;
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90.9%; Pred. No. 2.3e+02;
tive 0; Mismatches 2;
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                        CURRENT APPLICATION NUMBER: US/60/545,213
CURRENT FILING DATE: 2004-02-18
NUMBER OF SEQ ID NOS: 303284
SOFTWARE: PatentIn version 3.2
SEQ ID NO 186753
LENGTH: 25
     FILE REFERENCE: AM101083 (031896-042099)
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US-60-545-213-186754
; Sequence 186754, Application US/60545213
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                  277 ACCCAGGAGCCATCCCTGGGGA 298
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                              20; Conservative
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                                                                                                                                                                                                                                                                                                                      Best Local Similarity
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                                                                                                                                                                                   TYPE: DNA
; ORGANISM: probe
US-60-545-213-186753
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: probe
US-60-545-213-186754
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Pred. No. 2.5e+02;
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APPLICANT: Farese, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Ovoak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REFERENCE: 6510-104CIP
CURRENT APPLICATION UNBER: US/09/605,166
CURRENT FILING DATE: 2000-06-27
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APPLICANT: Erickson, Sandra
APPLICANT: Brickson, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLIRANSPERASE (ACAT-2)
FILE REPERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166A
                            acyltransferase (ACAT-2)
TITLE OF INVENTION: acyltransferase (ACAT-2) FILE REPERENCE: UCAL-104CON CURRENT APPLICATION NUMBER: US/10/779,251 CURRENT FILING DATE: 2004-02-12 PRIOR FILING DATE: 2000-06-27 PRIOR APPLICATION NUMBER: 09/605,166 PRIOR FILING DATE: 1999-06-08 PRIOR FILING DATE: 1999-06-08 PRIOR FILING DATE: 1999-06-13 PRIOR PILING DATE: 1999-06-13 PRIOR FILING DATE: 1999-06-23 NUMBER OF SEQ ID NOS: 9
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SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 23
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US-09-605-166A-4/c
; Sequence 4, Application US/09605166A
; GENERAL INFORMATION:
; APPLICANT: Cases, Sylvaine
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 87.0%;
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Matches 19; Conservative
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OTHER INFORMATION: primer
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COTHER INFORMATION: primer
US-09-605-166-4
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US-09-605-166-4/c
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LENGTH: 21
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1.2%; Score 18.4; DB 1; Length 21;
Best Local Similarity 95.0%; Pred. No. 2.2e+02;
Matches 19; Conservative 0; Mismatches 1; Indels
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                 APPLICANT: Farese, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Brickson, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REFERENCE: 6510-104CIP
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 5: SEQ ID NOS: 9
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Sequence 9, Application US/09605166A
GENERAL INFORMATION:

APPLICANT: Cases, Sylvaine
APPLICANT: Farses, Robert
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
FILE REFERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT APPLICATION NUMBER: 09/328,857
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
PRIOR SEQ ID NOS: 17
SOSTWARE: FASTSEQ for Windows Version 4.0
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Erickeon, Sandra
APPLICANT: Novak, Sabine
APPLICANT: Novak, Sabine
APPLICANT: Novak, Sabine
APPLICANT: ACCAG, Michel
TITLE OF INVENTION: Novel acyl CoA.cholesterol
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1549 TCTTGGTCCTGCCATACCTA 1568
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ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: primer
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87.0%; Pred. No. 2.6e+02;
Live 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                Length 24;
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1.2%; Score 18.2; DB 1;
Best Local Similarity 87.0%; Pred. No. 2.6e+02;
Matches 20; Conservative 0; Mismatches 3;
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US-09-065-166A-3
Sequence 3, Application US/09605166A
GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Earese, Robert
APPLICANT: Ericson, Sandra
APPLICANT: Ericson, Sandra
APPLICANT: Bricson, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLIRANSFERASE (ACAT-2)
FILE REPERBENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT APPLICATION NUMBER: 09/328,857
PRIOR APPLICATION NUMBER: 09/328,857
PRIOR APPLICATION NUMBER: 09/328,857
PRIOR PRILING DATE: 1998-06-08
PRIOR FILING DATE: 1998-06-08
PRIOR FILING DATE: 1998-06-03
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH:: 24
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APPLICANT: Novak, Sabine
TITLE OF INVENTION: NOVEL ACYL COA: CHOLESTEROL
TITLE OF INVENTION: ACYLITRANSFERASE (ACAT-2)
FILE REFERENCE: UCAL-104CIP
CURRENT APPLICATION NUMBER: US/09/605,166A
CURRENT APPLICATION NUMBER: 09/328,857
PRIOR FILING DATE: 1999-06-08
CURRENT APPLICATION NUMBER: US/09/605,166
CURRENT APPLICATION NUMBER: US/09/605,166
CURRENT FILING DATE: 2000-06-27
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 24
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US-09-605-166A-14
Sequence 14, Application US/09605166A
GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Farese, Robert
                                                                                                                                                                                                     TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
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Matches 20; Conserv
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GENERAL INFORMATION:
APPLICANT: Casee, Sylvaine
APPLICANT: Farese, Robert
APPLICANT: Farese, Robert
APPLICANT: Farese, Robert
APPLICANT: Novak, Sabine
APPLICANT: APPLICANT: Novak, Sabine
APPLICANT: APPLICANT: Novak, Sabine
TITLE OF INVENTION: Novel acyl CoA:cholesterol
TITLE OF INVENTION: Novel acyl CAT-2)
FILE REFERENCE: UCAL-104CON
CURRENT APPLICATION NUMBER: US/10/779,251
CURRENT FILING DATE: 2004-02-12
FRIOR APPLICATION NUMBER: 09/605,166
FRIOR APPLICATION NUMBER: 09/328,857
FRIOR FILING DATE: 1999-06-08
FRIOR FILING DATE: 1999-06-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 23
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GENERAL INFORMATION:
APPLICANT: Cases, Sylvaine
APPLICANT: Eares, Robert
APPLICANT: Erickson, Sandra
APPLICANT: Novak, Sabine
TITLE OF INVENTION: ACYLTRANSFERASE (ACAT-2)
                                                   PRIOR APPLICATION NUMBER: 09/328,857
PRIOR FILING DATE: 1999-06-08
PRIOR PILING DATE: 1999-06-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PARISEQ for Windows Version 4.0
SCO ID NO 4
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                                          2003-07-22
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ORGANISM: Artificial Sequence
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Matches 20; Conservative
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Matches 20; Conserva
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US-10-779-251-4/c
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US-09-605-166-3
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REPERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 57
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Caraham
APPLICANT: Mark J. Caraham
M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
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                                                                                                                                                                                                                                                            Length 20;
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1.1%; Score 18; DB 1; L
Best Local Similarity 100.0%; Pred. No. 2.3e+02;
Matches 18; Conservative 0; Mismatches 0;
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100.0%; Pred. No. 2.3e+02;
tive 0; Mismatches 0;
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; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-57
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7. OTHER-INFORMATION: Antisense Oligonucleotide
US-10-484-441-57
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
  PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 57
LENGTH: 20
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US-09-918-026A-57/c
; Sequence 57, Application US/09918026A
; GENERAL INFORMATION:
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                                                                                                                    TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 18; Conservative
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LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: MISSION
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION WHERE: PCT/US02/22746
CURRENT APPLICATION WHERE: PCT/US02/22746
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 3, Application US/10779251
GENERAL INFORMATION:
APPLICANT Cases, Sylvaine
APPLICANT Farese, Robert
APPLICANT Farese, Robert
APPLICANT Novak, Sabine
APPLICANT: Novak, Sabine
TITLE OF INVENTION: Novel acyl CoA:cholesterol
TITLE OF INVENTION: Acyltransferase (ACAT-2)
FILE REFERENCE: UCAL-104CON
CURRENT APPLICATION NUMBER: US/10/779,251
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2.6e+02;
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PRIOR APPLICATION NUMBER: 09/605,166
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 2000-06-27
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1999-06-08
PRIOR FILING DATE: 1998-06-23
NUMBER: 0F SEQ ID NOS: 9
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 3
LENGTH: 24
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Pred. No. 2.6e
0; Mismatches
PRIOR APPLICATION NUMBER: 60/090,354
PRIOR FILING DATE: 1998-06-23
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 14
LENGTH: 24
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Sequence 57, Application PC/TUS0222746

GENERAL INFORMATION:
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                                                                                                                                            TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 87.0%;
Matches 20; Conservative
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APPLICANT: Rosanne.
APPLICANT: Rosanne.
APPLICANT: Rosanne.
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 12
LENGTH: 21
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
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2.5e+02;
2; Indels
                                                                                                                                                                                                                                                                                                           Length 21,
                                                                                                                                                                                                                                                                                                                                                           Indels
                                                                                                                                         TYPE: DNA
ORGANISM: Pseudomonas aeruginosa PA01, complete genome
                                                                                                                                                                                                                                                                                                         1.1%; Score 18; DB 1; L
100.0%; Pred. No. 2.5e+02;
tive 0; Mismatches 0;
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Best Local Similarity 90.5%; Pred, No. 2.6e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       PCT-US02-22746-12/c
; Sequence 12, Application PC/TUS0222746
; GENERAL INFORMATION:
; APPLICANT: Isis Pharmaceuticals, Inc.
; APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; Sequence 12, Application US/09918026A; GENERAL INFORMATION:
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                                                                                                                                                                                                           LOCATION: (3752231)...(3752251);
CTHER INFORMATION: Chromosome = 1
US-10-367-832A-38342
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
SEQ ID NO 38342
mundlh: 21
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ORGANISM: Artificial Sequence
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Matches 18; Conservative
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SEQ ID NO 12
LENGTH: 21
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; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 41087
PCT-US02-25943-38342
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Sequence 38342, Application PC/TUS0225943

GENERAL INFORMATION:

APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.

TITLE OF INVENTION: Pseudomonas aeruginosa PAO1, complete genome.

FILE REPREBENCE: Jim Zegeer Law Offices - 703-684-8333

CURRENT APPLICATION NUMBER: PCT/USO2/25943

CURRENT PILIOR DATE: 2002-08-27

NUMBER OF SEQ ID NOS: 64158

SOFTWARE: Proprietary

SEQ ID NO 38342

LENGTH: 21
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GENERAL INFORMATION:
APPLICANTON:
APPLICANTON:
FAPLICANTON: Peddmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION: NUMBER: US/10/227,565
CURRENT PILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SEQ ID NO 38342
LENGTH: 21
LENGTH: 21
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TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,832A
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                 Indels
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ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
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CTHER INFORMATION: Chromosome = 1 Strand = negative US-10-227-565-38342
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                 0; Mismatches
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'S-10-367-832A-38342/c
'S Sequence 38342, Application US/10367832A
'GENERAL INFORMATION:
                                                                  1035 GCCAGGCATCTTCATGCT 1052
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                                                                                                                  18 GCCAGGCATCTTCATGCT 1
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Best Local Similarity 100.(
Matches 18; Conservative
                    18; Conservative
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APPLICANT: Leake, Devin
APPLICANT: Scaringe, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 666176
LENGTH: 19
            APPLICANT: Reviolds, Angela
APPLICANT: Reviolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908 1003-11-14
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 06/520,050
PRIOR APPLICATION NUMBER: 60/520,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR PRILING DATE: 2003-09-10
PRIOR PRILING DATE: 2003-09-10
PRIOR PRILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1; Indels
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Pred. No. 2.6e+02;
4; Mismatches 1;
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US-10-714-313A-672962/c
'Sequence 672562, Application US/10714333A
'; GENERAL'INFORMATION:
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; Sequence 666176, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1060 ATCTTCTTTGCCTTCCTCC 1078
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
Khvorova, Anastasia
Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 73.7%;
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                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-474874
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Matches 18; Conserv
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LENGTH: 19
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GENERAL INFORMATION:
GENERAL INFORMATION:
THE OF INVENTION: USES THEREOF
TILLE OF INVENTION: USES THEREOF
CURRENT APPLICATION UNMER: US/10/310,188
CURRENT PILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ ID NOS: 86841
SEQ ID NO 4082
LENGTH: 23
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APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TILE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 IFILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 21
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                 1.1%; Score 17.8; DB 1; Length 21; 90.5%; Pred. No. 2.6e+02; tive 0; Mismatches 2; Indels
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1.1%; Score 17.8; DB 1; Length 23;
Best Local Similarity 90.5%; Pred. No. 2.8e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
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1.1%; Score 17.8; DB 1; Length 21;
Best Local Similarity 90.5%; Pred. No. 2.6e+02;
Matches 19; Conservative 0; Mismatches 2; Indels
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; Sequence 474874, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                    Sequence 12, Application US/1048441; GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   21 GACTTGGTGCAATGGACTCGA 1
                                                                                                                                                               21 GACTTGGTGCAATGGACTCGA 1
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ORGANISM: Artificial Sequence
FEATURE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      / OTHER INFORMATION: PCR Primer US-10-484-441-12
               Query Match
Best Local Similarity 90.5#
Matches 19; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-40082
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APPLICANT: Characton, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
SPRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 950069
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall William
APPLICANT: Marshall William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
CURRENT APPLICATION WUBBE: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
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94.7%; Pred. No. 2.6e+02;
iive 0; Mismatches 1;
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94.7%; Pred. No. 2.6e+02;
iive 0; Mismatches 1;
                   CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Sequence 1245563, Application US/10714333A

GRNEAL INFORMATION:

APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-950069/c
; Sequence 950069, Application US/10714333A
; GENERAL INFORMATION:
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Matches 18; Conservative
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                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-763971
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US-10-714-333A-950069
    FILE REFERENCE: 13499US
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Best Local Similarity
Matches 18; Conserv
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APPLICANT: Characton, Inc.
APPLICANT: Characton, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Restnolds, Angela
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 707046
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1; Indels
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
IITLE OF INVENTION: Functional and Hyperfunctional siRNA
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Best Local Similarity 78.9%; Pred. No. 2.6e+02;
Matches 15; Conservative 3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                          Score 17.4; DB 1;
Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match 1.1%; Score 17.4; DE Best Local Similarity 94.7%; Pred. No. 2.6e4 Matches 18; Conservative 0; Mismatches
                                                                 TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-10-714-333A-707046; Sequence 707046, Application US/10714333A; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-672962
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ORGANISM: Homo sapiens
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US-10-714-333A-763971/c
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APPLICANT: Blatt, Larry
APPLICANT: McSaiggen, Jim
APPLICANT: McTissey, Dava
APPLICANT: McTissey, Dava
TITLE OF INVENTION: WCHER: US0/125)
CURRENT APPLICATION NUMBER: US 07/086,385
CURRENT FILING DATE: 1992-05-14
PRIOR PILING DATE: 1992-05-14
PRIOR PLICATION NUMBER: US 09/531,025
PRIOR PLICATION NUMBER: US 09/531,025
PRIOR PLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1994-02-07
PRIOR PLING DATE: 1994-02-07
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PRIOR PLING DATE: 1994-02-07
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APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Morrissey, Dave
TITLE OF INVENTION: Method and Reagent for Ihibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/001
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nrad. No. 2.66+02;
0;
PRIOR APPLICATION NUMBER: US US, US, US, US, US, PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR PILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6341
SOFTWARE: PATENTIN VERSION 3.0
SEQ ID NO 846
LENGTH: 17
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 846, Application US/09636385
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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100.0%; Pre
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ORGANISM: Hepatitis B Virus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Draper, Kenneth
                                                                                                                                                                                                                                                                                                                                                                                                                                                             17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            US-09-636-385-846/c
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US-09-696-347-846/c
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                                                                                                                                                                                                                                                                                                                                                                                                                                                             Matches
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Mcrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHOOL 945-EE (247/277)
CURRENT APPLICATION NUMBER: US/09/531,025A
CURRENT APPLICATION NUMBER: US 07/882,712
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
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                                                                                                                                                                                                                                                                                                                                                 Score 17.4; DB 1; Length 19;
Pred. No. 2.6e+02;
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Pred. No. 2.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                        1; Indels
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| Sequence 1336210, Application US/10714333A
| Sequence 1336210, Application US/10714333A
| GENERAL INPORMATION:
| APPLICANT: Dearmacon, Inc.
| APPLICANT: Reynolds, Angela
| APPLICANT: Leake, Devin
| APPLICANT: Scaringe, Stephen
| APPLICANT: Scaringe, Stephen
| TITE OF INVENTION: Punctional and Hyperfunctional siRNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-10-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1336210
                                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
  PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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Best Local Similarity 94.7%;
Matches 18; Conservative
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Best Local Similarity 94.7%;
Matches 18; Conservative
                                                                                                                                                                                                                                 TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1245563
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APPLICANT: Dennis, Macejak
APPLICANT: James, McStiggen
APPLICANT: James, McStiggen
APPLICANT: David, Morrissey
APPLICANT: Parcia, Pavco
APPLICANT: Parcia, Lee
APPLICANT: Renneth, Draper
APPLICANT: Renneth, Draper
APPLICANT: Blisabeth, Roberts
TITLE OF INVENTION: OLIGONUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: VIRUS REPLICATION
FILE REPERENCE: 400/042US (MRHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
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PRIOR FILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/296,876
PRIOR FILING DATE: 2001-06-08
PRIOR APPLICATION NUMBER: US 60/335,059
PRIOR FILING DATE: 2001-10-24
                                                                                                                                                US-10-342-902-846/c; Sequence 846, Application US/10342902; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 846, Application US/10669841 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Sirna Therapeutics, Inc.
261 AGGTTCCTTGAGCAGGA 277
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                          17 AGGTTCCTTGAGCAGGA 1
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SOFTWARE: PatentIn version 3.2
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Dennis, Macejak
James, McSwiggen
David, Morrissey
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Bibozyme Pharmaceuticals, Inc.
APPLICANT: Black: Memeth
APPLICANT: Black: Larry
APPLICANT: McSwiggen, June
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-M (400/029)
CURRENT FILING DATE: 2001-12-31
FRIOR FILING DATE: 1992-05-14
FRIOR FILING DATE: 1992-05-14
FRIOR FILING DATE: 2000-03-20
FRIOR FILING DATE: 2000-03-20
FRIOR FILING DATE: 1000-10-24
FRIOR FILING DATE: 1994-02-07
FRIOR FILING DATE: 1994-02-05-04
FRIOR FILING DATE: 1999-11-08
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1.1%; Score 17; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 17; Conservative 0; Mismatches 0;
             261 AGGTTCCTTGAGCAGGA 277
2000-10-24
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        17 AGGTTCCTTGAGCAGGA 1
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COGANISM: Hepatitis B Virus
US-09-696-347-846
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; ORGANISM: Hepatitis B virus
US-09-877-478-846
CURRENT FILING DATE:
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PET-USO2-22746-55/C
Sequence 55, Application PC/TUSO222746
Sequence 55, Application PC/TUSO222746
GENERAL INFORMATION:
APPLICANT: 1918 PHARMACHICAIS, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Crooke
APPLICANT: Mark J. Crooke
APPLICANT: ANTIERNEE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILLE REFERENCE: ISPH-0694
CURRENT FILLING DATE: 2002-07-15
PRIOR FILLING DATE: 2002-07-15
PRIOR FILLING DATE: 2001-07-30
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTISENSE MODULATION NUMBER: 02/02-07-15
PRIOR PILING DATE: 2002-07-15
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 53
LENGTH: 20
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER: OF SEQ ID NOS: 65
SEQ ID NO 47
LENGTH: 20
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90.0%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.1%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 3.38+02;
Matches 18; Conservative 0; Mismatches 2;
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COTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-47
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 53, Application PC/TUS0222746 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Artificial Sequence
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Matches 18; Conservative
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Sequence 46, Application PC/TUS0222746

SEMERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Resame M. Crooke
APPLICANT: Resame M. Crooke
APPLICANT: Residua M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTERNES MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: ANTERNES MODULATION OF ACYL
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 46
LENGTH: 20
APPLICATION APPLI
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                                                                                                        PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-02-20
PRIOR PILING DATE: 2002-03-11
PRIOR PLING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 09/817,879
PRIOR APPLICATION NUMBER: US 09/740,332
PRIOR PILING DATE: 2000-12-18
PRIOR PILING DATE: 2000-07-07
PRIOR FILING DATE: 2000-07-07
PRIOR PILING DATE: 2000-07-07
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1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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                                                                          FILING DATE: 2001-12-05
APPLICATION NUMBER: US 60/358,580
                             APPLICATION NUMBER: US 60/337,055
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 47, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            435 TGAGGGCAGGCTGCTGG 454
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ORGANISM: Hepatitis B Virus
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JAPPLICANT: Griffais, Remy
APPLICANT: Griffais, Remy
APPLICANT: Griffais, Remy
APPLICANT: Griffais, Remy
APPLICANT: Hoiseth, Susan K.
APPLICANT: Hoiseth, Susan K.
APPLICANT: Metcalf, Benjamin J.
APPLICANT: Peek, Joel A.
APPLICANT: Sankaran, Banumathi
APPLICANT: Sankaran, Banumathi
APPLICANT: Fletcher, Leah Diane
TITLE OF INVENTION: CHLAMYDIA TRACHOMATIS GENOMIC SEQUENCE
TITLE OF INVENTION: AND POLYPEPTIDES, FRAGMENTS THEREOF AND USES THEREOF, IN
TITLE OF INVENTION: INFECTION
TITLE OF INVENTION: INFECTION
FILE REFERENCE: 9710-0004-99
CURRENT APPLICATION NUMBER: US 60/107,077
PRIOR PELING DATE: 1998-11-04
PRIOR APPLICATION NUMBER: FR 97-16034
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-12-17
PRIOR FILING DATE: 1997-11-28
PRIOR FILING DATE: 1997-11-28
PRIOR FILING DATE: 1997-11-28
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                                                                                                                                                                                                                                                                                                       PCT-US03-04945-11/C
; Sequence 11, Application PC/TUS0304945
; GENERAL INFORMATION:
; APPLICANT: The Children's Hospital of Philadelphia
; APPLICANT: The Children's Hospital of Philadelphia
; APPLICANT: Yin, Jiyi
; TITLE OF INVENTION: Cellular genes regulated by HIV-1
; TITLE OF INVENTION: Cellular genes regulated by HIV-1
; TITLE OF INVENTION: infection and method of use thereof
; FILE REFERENCE: CHOP.0146PCT
; CURRENT PELLORION NUMBER: PCT/US03/04945
; CURRENT FILING DATE: 2003-02-19
; PRIOR FILING DATE: 2002-02-19
                                                1.1%; Score 16.8; DB 1;
90.0%; Pred. No. 3.3e+02;
ative 0; Mismatches 2;
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SOFTWARE: FastSEQ for Mindows Version 4.0
SEQ ID NO 2683
LENGTH: 20
TYPE: DNA
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 20
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Best Local Similarity 90.0°
Matches 18; Conservative
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CTHER INFORMATION: primer
PCT-US03-04945-11
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Best Local Similarity
Matches 18; Conservat
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US-09-201-228A-2683/c
PCT-US02-22746-64
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APPLICANT: Rosanna M. Crooke
APPLICANT: Rosanna M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLITRANSFERASE-2
FILLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/USO2/22746
CURRENT APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
BEQ ID NO 64
LENGTH: 20
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1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
                                                                        TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
TOTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-22746-55
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ORGANISM: Artificial Sequence
FRATURE:
OTHER INFORMATION: Antisense Oligonucleotide
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CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
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; Sequence 64, Application PC/TUS0222746
; GENERAL INFORMATION:
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  NUMBER OF SEQ ID NOS:
                          SEQ ID NO 55
LENGTH: 20
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Best Local Si
Matches 18,
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 47
LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: KISTERIA M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXI
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT APPLICATION DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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APPLICANT: Mark J. Graham
APPLICANT: Krietina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
FILE REPERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 53
LENGTH: 20
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90.0%; Pred. No. 3.3e+02;
iive 0; Mismatches 2;
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Pred. No. 3.3e+02;
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90.0%; Pred. No. 5...
'... 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-47
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US-09-918-026A-53/c
Sequence 53, Application US/09918026A
SERNERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                Sequence 47, Application US/09918026A GENERAL:INFORMATION:
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; Sequence 55, Application US/09918026A
; GENERAL INFORMATION:
; APPLICANT: ROSANNE M. Crooke
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          505 ACCTGGGTGCCCATGTTTCT 524
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ORGANISM: Artificial Sequence
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Matches 18; Conservative
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Best Local Similarity 90.0
Matches 18; Conservative
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LENGTH: 20
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Sequence 46, Application US/09918026A
SEQUENCE APPLICANT: North Consequence APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EXFILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 46
LENGTH: 20
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1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
                                                                                                                       Score 16.8; DB 1; Length 20;
Pred. No. 3.3e+02;
                                                                                                                                                                       2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Bower, Stanley G. APPLICANT: Hinkle, Gregory J. TITLE OF INVENTION: 38-10 (15804)C. CURRENT APPLICATION NUMBER: US/09/703,708 CURRENT FILING DATE: 2000-11-02 PRIOR APPLICATION NUMBER: US/09/703,708 PRIOR PILING DATE: 1999-11-10 PRIOR FILING DATE: 2000-02-22 NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 18206

LENGTH: 20
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: US 60/183,791
2000-02-22
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                                                                                                                                                                                                                       342 GATGGAGGTGCAGCATTTCC 361
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                                                                                                                                                                                                                                                   20 GATGGAGCTGCAGCATTGCC 1
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ORGANISM: Artificial Sequence FEATURE:
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                                                                                                                       1.1%;
al Similarity 90.0%;
18; Conservative (
                                                ; OTHER INFORMATION: Primer US-09-201-228A-2683
                                                                                                                                                Best Local Similarity
Matches 18; Conserv
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US-09-703-708-18206
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                                                                                                                         Query Match
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US-10-484-146/C
US-10-484-141-46/C
US-10-484-141-46/C
Sequence 46, Application US/1048441
Sequence 46, Application US/1048441
Sequence 46, Application US/1048441
Sequence 46, Application US/1048441
Sequence 46, Application Worker
Sequence 46, Application Worker
Sequence 46, Application Worker
Sequence 47, Application US/10484441
Sequence 46, Application Worker
Sequence 46, Application Worker
Sequence 47, Application Worker
Sequence 48, Application US/1048441
Sequence 48, Application US/1048441
Sequence 48, Application US/1048441
Sequence 48, Application US/1048441
Sequence 48, Application US/10484441
Sequence
                                                                                              APPLICANT: ROSECTE AGENOMICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENER
TITLE OF INVENTION: USES THEREOF
FILE REPERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-112-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
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US-10-366-803-11/c

Sequence 11, Application US/10368803

GENERAL INFORMATION:

APPLICANT: Terri H. Finkel

APPLICANT: Title OF INVENTION: CELLULAR GENES REGULATED BY HIV-1

TITLE OF INVENTION: CELLULAR GENES REGULATED BY HIV-1

TITLE OF INVENTION: INFECTION AND METHODS OF USE THEREOF

FILE REFERENCE: CHOP-0146

CURRENT APPLICATION NUMBER: US/10/368,803

CURRENT FILING DATE: 2003-02-19

PRIOR PILING DATE: 2002-02-19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1.1%; Score 16.8; DB 1; Length 20; 90.0%; Pred. No. 3.3e+02; tive 0; Mismatches 2; Indels
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SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 11
LENGTH: 20
                              Sequence 50018, Application US/10310188 GENERAL INFORMATION:
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Matches 18; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens
US-10-310-188-50018
   US-10-310-188-50018/c
                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 50018
LENGTH: 20
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Sequence 61, Application US/09918026A

Sequence 61, Application US/09918026A

GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
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APPLICANT: RAIL M. Crooke
APPLICANT: RAIK J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
CURRENT: SPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 64
LENGTH: 20
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                                                                                                                                                                             Query Match
1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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                                                                   ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-55
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-61
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT APPLICATION NUMBER: US/09/918,026A CURRENT FILING DATE: 2001-07-30 NUMBER OF SEQ ID NOS: 65 LENGTH: 20
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; Sequence 64, Application US/09918026A
; GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 90.0%
Matches 18; Conservative
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APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE72 EXI
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE72 EXI
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 55
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APPLICANT: Mark J. Graham
APPLICANT: Krietina M Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR PILING DATE: 2001-07-30
SEQ ID NOS: 65
LENGTH: 20
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90.0%; Pred. No. 3.3e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
1.1%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 3.38+02;
Matches 18; Conservative 0; Mismatches 2;
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913 CTGGGATGTGTGCTCTATGC 932
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Sequence 64; Application US/10484441;
GENERAL INFORMATION:
                                                                                                                                                                                     Sequence 55, Application US/10484411 GENERAL INFORMATION:
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Matches 18; Conservative
                                                                                                                                         RESULT 283
US-10-484-441-55/c
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US-10-484-441-61/c
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
APPLICANT: Rosanne M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE72 EX
FILE REFERENCE: ISPH70694
FILE REFERENCE: ISPH70694
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 47
LENGTH: 20
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE72
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 53
LENGTH: 20
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                                                                                                                                                                                            Length 20;
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1.1%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2;
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1.1%; Score 16.8; DB 1;
Best Local Similarity 90.0%; Pred. No. 3.38+02;
Matches 18; Conservative 0; Mismatches 2;
                                                                                                         ; OTHER INFORMATION: Antisense Oligonucleotide US-10-484-441-46
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-484-441-53
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                                                                                                                       435 TGAGGCAGGCTGCTGCTGG 454
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ORGANISM: Artificial Sequence
                        LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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PCT-US04-00035-8627

SGQUENCE 8627, Application PC/TUS0400035

SGQUENCE 8627, Application PC/TUS0400035

GENERAL INFORMATION:
APPLICANT: Wyeth
APPLICANT: Brown, Eugene
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873

SOFTWARE: PATENTIN Version 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bower, Stanley G.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Kanthemonas campestris Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15804)B
CURRENT APPLICATION NUMBER: US/60/183,791
CURRENT FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 12206
LENGTH: 20
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90.0%; Pred. No. 3.3e+02;
iive 0; Mismatches 2;
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Matches 18; Conserv
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Best Local Similarity
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Best Local Similarity
Matches 14; Conserv
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US-10-310-188-78605/c
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ORGANISM: RNAi
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TITLE OF INVENTION: ANTI-SENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE72 EX
FILE REFERENCE: ISPH70694
CURRENT APPLICATION: NUMBER: US/10/484,441
CURRENT FILING DATE: 2004-01-29
FRIOR APPLICATION NUMBER: 09/918,026
FRIOR PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 64
TUPE-12
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J Sequence 18206, Application US/60164320

J Sequence 18206, Application US/60164320

J Sequence 18206, Application US/60164320

J APPLICANT: Hinkle, Gregory J.

J TITLE OF INVENTION: Stanthomonas campestris Genome Sequences and Uses Thereof TITLE REPRENCE: 38-10(15604) A

CURRENT APPLICATION NUMBER: US/60/164,320

CURRENT FILING DATE: 1999-11-10

J NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 18206

LENGTH: 20
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1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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1.1%; Score 16.8; DB 1; Length 20;
Best Local Similarity 90.0%; Pred. No. 3.3e+02;
Matches 18; Conservative 0; Mismatches 2; Indels
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US-10-180-2618
Sequence 2618, Application US/10310188
Sequence 2618, Application US/10310188
General Information:
TITLE OF INVENTION:
TITLE OF INVENTION:
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86641
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1263
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                    Length 18;
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                  Score 16.4; DB 1;
Pred. No. 3.3e+02;
0; Mismatches 1;
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Pred. No. 3.3e+02;
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Matches 17; Conservative
                                                         Conservative
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Query Match
Best Local Similarity
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PCT-US03-05045-33/c
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                    APPLICANT: ROSELTAGEMONICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Martinez, Robert
APPLICANT: Barchine Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REPERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Parentin version 3.2
SEQ ID NO 8627
LENGTH: 21
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Sequence 1826, Application US/10303778

GENERAL INFORMATION:
APPLICANT: ROSettaGenomics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 1826
LENGTH: 18
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                                                                                     CURRENT APPLICATION NUMBER: US/10/310,188 CURRENT FILING DATE: 2002-12-19 NUMBER OF SEQ ID NOS: 86841 SOFTWARE: PatentIn version 3.1 SEQ ID NO 78605 LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 8627, Application US/10751736 GENERAL INFORMATION:
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                                                                                                                                                                                                  TYPE: DNA
CORGANISM: Homo sapiens
US-10-310-188-78605
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; ORGANISM: Homo sapiens
US-10-303-778-1826
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Wyeth
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; ORGANISM: RNAi
US-10-751-736-8627
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Best Local S:
Matches 18
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Gaps

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APPLICANT: Beageman, Leconid
APPLICANT: Beageman, Leconid
APPLICANT: Beageman, Leconid
APPLICANT: Pavco, Pamela
APPLICANT: Pavco, Pamela
APPLICANT: Jamison, Sharon
APPLICANT: Jamison, Sharon
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
FILE REFERENCE: 400/081 (WHBE 0.2-468-B)
CURRENT FILING DATE: 2002-00-03
PRIOR PLILING DATE: 2002-00-03
PRIOR FILING DATE: 2002-00-05
PRIOR FILING DATE: 2002-00-05
PRIOR PLILING DATE: 2002-00-05
PRIOR APPLICATION NUMBER: US 10/277,494
PRIOR PLILING DATE: 2002-02-05
PRIOR APPLICATION NUMBER: US 60/359,580
PRIOR FILING DATE: 2002-02-25
PRIOR PLILING DATE: 2002-02-26
PRIOR PLILING DATE: 2002-02-26
PRIOR PLILING DATE: 2002-02-26
PRIOR PLILING DATE: 2002-02-26
PRIOR PLILING DATE: 2002-03-27
PRIOR PLILING DATE: 2002-03-26
PRIOR PLILING DATE: 2002-03-27
PRIOR PLILING DATE: 2002-03-26
PRIOR PLILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/336,782
PRIOR PLILING DATE: 2002-03-26
PRIOR APPLICATION NUMBER: US 60/366,784
PRIOR PLILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-09-60
PRIOR PRILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-08-29
PRIOR PLILING DATE: 2002-08-26
PRIOR PLILING DATE: 2002-08-29
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFOGRATION:
CHARLICANT: Sirna Therapuetics Inc.
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
APPLICANT: Besigelman, Leonid
APPLICANT: PavCo, Pamela
APPLICANT: PavCo, Pamela
APPLICANT: PavCo, Pamela
APPLICANT: PavCo, Pamela
APPLICANT: Damison, Sharon
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
TITLE OF INVENTION NUMBER: PCF/US03/05045A
CURRENT FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
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1.0%; Score 16.4; DB 1;
Best Local Similarity 94.4%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    PCT-US03-05045A-282; Sequence 282, Application PC/TUS0305045A; GENERAL INFORMATION:
                                                               Sequence 33, Application PC/TUS0305045A
GENERAL INFORMATION:
APPLICANT: Sirna Therapuetics Inc.
APPLICANT: Beigelman, Leonid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             667 CAGCICCCGCCGGCCICC 684
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GENERAL INFORMATION:
APPLICANT: Stand Therapuetics Inc.
APPLICANT: Stand Therapuetics Inc.
APPLICANT: Stand Therapuetics Inc.
APPLICANT: McSaiggen, James
APPLICANT: Mesaiggen, Leonid
APPLICANT: Pavco, Pamela
APPLICANTON: Receptor Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Paplicant APPLICANTON NUMBER: US 00/393,924
PRIOR APPLICANTON NUMBER: US 00/393,924
PRIOR PILING DATE: 2002-05-09
PRIOR APPLICANTON NUMBER: US 10/25,117
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICANTON NUMBER: US 10/277,494
PRIOR PILING DATE: 2002-06-06
PRIOR APPLICANTON NUMBER: US 09/916,466
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PELING 
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OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense
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1.0%; Score 16.4; DB 1; Length 19;
Best Local Similarity 94.4%; Pred. No. 3.5e+02;
Matches 17; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
1.0%; Score 16.4; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 15; Conservative 2; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 667 CAGCTCCCGCCGGCCTCC 684
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SOFTWARE: PatentIn version 3.2
SEQ ID NO 33
LENGTH: 19
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ORGANISM: Artificial Sequence
                                                                                                                          TYPE: RNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                     PCT-US03-05045-33
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APPLICANT: MISWIGHE, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re
TITLE OF INVENTION: GNABER: US/10/251,117
FILE REFERENCE: 900/042 (MBHB02-466-4)
CURRENT APPLICATION NUMBER: US/10/251,117
CURRENT APPLICATION NUMBER: US 60/399,924
PRIOR FILING DATE: 2003-02-04
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PEDICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-20
PRIOR PEDICATION NUMBER: US 60/396,249
PRIOR FILING DATE: 2001-07-25
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 201-06-06
PRIOR PRIOR FILING DATE: 201-06-06
PRIOR P
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44.4%; Pred. No. 3.5e+02;
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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1.0%; Score 16.4; DB 1;
Best Local Similarity 83.3%; Pred. No. 3.5e+02;
Matches 15; Conservative 2; Mismatches 1;
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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                                                                                                                                                                                                                          Sequence 282, Application US/10251117
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 242202, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     667 CAGCTCCCGCCGGCCTCC 684
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           8; Conservative
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                                                                                                                                                                                        US-10-251-117-282
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor R
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
CURRENT FILING DATE: 2000-02-3
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR APPLICATION NUMBER: US 60/39,580
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2001-07-25
PRIOR PPLING DATE: 2001-07-25
PRIOR PRIOR PLING DATE: 2001-07-25
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR FILING DATE: 2001-07-25
PRIOR PLING DATE: 2001-07-25
PRIOR PLING DATE: 2001-07-35
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR FILING DATE: 2001-07-35
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PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR PLING DATE: 2001-07-35
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US-10-251-117-33
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                        PRIOR FILING DATE: 2002-06-06
PRIOR PLILATION NUMBER: US 10/277,494
PRIOR FILING DATE: 2002-10-21
PRIOR PLILOKID DATE: 2002-10-21
PRIOR PLILOKID DATE: 2002-10-21
PRIOR PLILOK DATE: 2001-07-25
PRIOR PLILOK DATE: 2001-07-25
PRIOR PLILOK DATE: 2001-07-25
PRIOR PLILOK DATE: 2002-05-29
PRIOR PLILOK DATE: 2002-05-29
PRIOR PLILOK DATE: 2002-05-31
PRIOR PLILOK DATE: 2002-03-11
PRIOR PLILOK DATE: 2002-03-11
PRIOR PLILOK DATE: 2002-06-30
PRIOR PLILOK DATE: 2002-30-31
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
US 10/163,552
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-714-333A-666149/C

Sequence 666149, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Barball, William

APPLICANT: Marshall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REPERENCE: 13499US

CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR PLING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

LENGTH: 10 NO 666149
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44.4%; Pred. No. 3.5e+02;
(ve 0; Mismatches 1; Indels
                                                                                                                                                      APPLICANT: Dharmacon, Inc.
APPLICANT: Rivorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Aarshall, William
APPLICANT: Scaringe, Stephen
ITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 624582
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94.4%; Pred. No. 3.5e+02;
trive 0; Mismatches 1;
                                                                RESULT 303
US-10-714-333A-624582/c
; Sequence 624582, Application US/10714333A
; GENERAL INFORMATION:
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1 UAACUCUACUUCCUCUUC 18
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Best Local Similarity 94.49
Matches 17; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-624582
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ORGANISM: Homo sapiens
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Sequence 4448U7, Application US/10714333A

SEQUENCEAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION WHEER: US/10/714,333A
CURRENT FILING DATE: 2003-01-0
PRIOR FILING DATE: 2003-01-0
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 444807

LENGTH: 19
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1.0%; Score 16.4; DB 1; Length 19;
Best Local Similarity 72.2%; Pred. No. 3.5e+02;
Matches 13; Conservative 4; Mismatches 1; Indels
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GENERAL INPORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rivorova, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                      951 CCTCTGTGTTCCTGTCTT 968
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US-10-714-333A-588275
                                                                                                                                     RESULT 301
US-10-714-333A-444807
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US-10-714-333A-588275
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TYPE: RNA

Matches

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Length 19;
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                             APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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Pred. No. 3.5e+02;
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Pred. No. 3.5e+02;
                                                                                                                                                                 CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PAPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khorcova, Anastasia
APPLICANT: Reynolds, Angela
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US-10-714-333A-1336213/c
Sequence 1336213, Application US/10714333A
; GENERAL INFORMATION:
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         Khvorova, Anastasia
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APPLICANT: Khvorova, Anastasia
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Best Local Similarity 94.4%;
Matches 17; Conservative (
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Best Local Similarity 94.4%;
Matches 17; Conservative
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US-10-714-333A-1245608
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US-10-714-333A-1245608/c
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LENGTH: 19
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LENGTH: ·19
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Pred. No. 3.5e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       4; DB 1; Length 19; 3.5e+02;
                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorcova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Respinal, Angela
APPLICANT: Respinal, Milliam
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 950074
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: warshall, william
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Sequence 950074, Application US/10714333A GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match
Best Local Similarity 94.4%;
Matches 17; Conservative
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Best Local Similarity 55.6%;
Matches 10; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1110583
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 307
US-10-714-333A-1245589/c
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Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
Best Local Similarity 94.4'
Matches 17; Conservative
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US-10-714-333A-1493677
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US-10-714-333A-1499330/c
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Pred. No. 3.5e+02;
0; Mismatches 1; Indels
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Pred. No. 3.5e+02;
0; Mismatches 1; Indels
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1336213
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 1353443, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marball, William
APPLICANT: Scaringe, Stephen
TITLE OF INVERTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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; Sequence 1493677, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
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Best Local Similarity 94.4%;
Matches 17; Conservative
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Best Local Similarity 94.4%
Matches 17; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1336213
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ORGANISM: Homo sapiens
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LENGTH: 19
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Sequence 1499330, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Branacon, Inc.
APPLICANT: Revorve, Anastasia
APPLICANT: Revords, Anastasia
APPLICANT: Rarshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT FILING DATE: 2003-11-14
FRIOR PPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-10

PRIOR FILING DATE: 2003-10

PRIOR FILING DATE: 2003-11-14

NUMBER OF SEQ ID NOS: 1591911
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APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
IITLE OF INVENTON: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
Scaringe, Stephen Functional BiRNA FWITON: Functional BiRNA
             FILE REFERENCE: 13499US
CURRENT APPLICATION FUNCTIONAL
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1493677
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US-10-714-333A-1499720/c
Sequence 1499720, Application US/10714333A
SERNRAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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; LOCATION: 1..20 ;
; OTHER INFORMATION: downstream amplification primer 99-3894 for SEQ 3864, in complemer
US-10,5,49-143-11729
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 11729, Application US/10349143
; Sequence 11729, Application US/10349143
; GENERAL INPORMATION:
; APPLICANT: Chen, Daniel
; APPLICANT: Bluemefeld, Marta
; APPLICANT: Chumakov, Ilya
; TITLE OF INVENTION: Biallelic markers for use in constructing a high density...
; FILE REFERENCE: GENSET. 2002(PL)
; CURRENT APPLICATION NUMBER: US/10/349,143
; CURRENT FILING DATE: 2003-01-21
; PRIOR APPLICATION NUMBER: US/09/422,978
; PRIOR FILING DATE: 1999-10-20
; PRIOR FILING DATE: BARLIER FILING DATE: 1999-04-21
; PRIOR FILING DATE: BARLIER FILING DATE: 1999-11-23
; PRIOR FILING DATE: BARLIER FILING DATE: 1998-11-23
; PRIOR FILING DATE: BARLIER FILING DATE: 1998-04-21
; NUMBER OF SEQ ID NOS: 11796
; SEQ ID NO 11729
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                                                         1; Indels
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Pred. No. 3.6e+02;
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94.4%; Pred. No. 3.6e+02;
                Score 16.4; DB 1;
Pred. No. 3.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  : US 60/183,791
2000-02-22
                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT APPLICATION NUMBER: US/09/703, 708
CURRENT FILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/164, 32C
PRIOR FILING DATE: 1999-11-10
PRIOR FILING DATE:
PRIOR FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                          US 60/164,320
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                                                                                                                                                                                                                                      Seguence 16154, Application US/09703708 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-09-703-708-16154
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    446 IGCIGCIGGAGITIGACC 463
                                                                                                                                       1 TGGAGATGGAAACCCTGA 18
                ch 1.0%;
1 Similarity 94.4%;
17; Conservative
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Best Local Similarity 94.4%;
Matches 17; Conservative
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ORGANISM: Homo Sapiens
Query Match
Best Local Similarity
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                                                                                                                                                                                                                                                                                     Length 19;
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Pred. No. 3.5e+02;
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Pred. No. 3.6e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Anthomonas campes

GURRENT APPLICATION NUMBER: US/09/703,708

CURRENT FILING DATE: 2000-11-02

PRIOR PILING DATE: 1999-11-10

PRIOR FILING DATE: 2000-02-22

PRIOR FILING DATE: 2000-02-22

NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 12513

LENGTH: 20
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CURRENT APPLICATION NUMBER: US/09/703,708

CURRENT FILING DATE: 2000-11-02

PRIOR APPLICATION NUMBER: US 60/164,320

PRIOR FILING DATE: 1999-11-10

PRIOR PILING DATE: 2000-02-22

NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 12587

LENGTH: 20
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2000-02-22
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2000-02-22
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CURRENT APPLICATION NUMBER: US/10/714,333A
    PRIOR APPLICATION NUMBER: 60/502, 050 PRIOR FILING DATE: 2003-11-14 PRIOR FILING DATE: 2003-59-10 PRIOR PLING DATE: 2003-59-10 PRIOR PLING DATE: 2002-11-14 NUMBER OF SEQ ID NOS: 1591911 SOFTWARE: Proprietary SEQ ID NO 1499720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 12513, Application US/09703708
GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 12587, Application US/09703708 GENERAL INFORMATION:
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TITLE OF INVENTION: Xanthomon FILE REPRENCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION:
FILE REFERENCE:
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CRGANISM: Xanthomonas campestris
US-09-703-708-12587
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Xanthomonas campestris
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ilarity 94.4%;
Conservative
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Best Local Similarity 94.4%;
Matches 17; Conservative
                                                                                                                                                                                                     ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1499720
                                                                                                                                                                                                                                                                                                  Local Similarity
hes 17; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 314
US-09-703-708-12513
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Matches
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RESULT 320
US-60-164-320-12587
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US-60-164-320-16154
SEQ ID NO 12513
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GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Bower, Stanley G.
TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15804)A
CURRENT APPLICATION NUMBER: US/60/164,320
CURRENT FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 18992
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                                                                                                                                                                Sequence 2283, Application US/60082614
GENERAL INFORMATION:
APPLICANT: Cohen, Daniel
APPLICANT: Chumakov, Ilya
APPLICANT: Blumenfeld, Marta
TITLE OF INVENTION: Biallelic markers for use in constructing a
TITLE OF INVENTION: high density disequil
NUMBER OF SEQUENCES: 2730
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe, Martens, Olson & Bear
STREE: 501 West Broadway
CITY: San Diego
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ö
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1.0%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 1: Indels
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NAME: Israelsen, Ned A.
REGISTRATHON NUMBER: 29,655
REFERENCE/DOCKET NUMBER: 29,655
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEPHONE: (619) 235-856
INFORMATION FOR SEQ ID No: 2283:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: NUCLEIC ACID
STRANDEDNESS: SINGLE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             SOFTWARE: Word
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/60/082,614
                                                                                                                                                                                                                                                                                                                                                                                                                                             COUNTRY: USA
ZIP: 92101-3505
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy Disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: Win95
                      821 TCCTCTTCTGCCCAACAC 838
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                                              TCCTCTTCTGCCCAACTC 20
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E: DNA
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ORIGINAL SOURCE:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
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US-60-164-320-12513
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Sequence 16154, Application US/60164320
GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof FILE REPERENCE: 38-10(15804)A
CURRENT APPLICATION NUMBER: US/60/164,320
CURRENT FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 16154
                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Bower, Stanley G.
APPLICANT: Bower, Stanley G.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15,804)A
CURRENT APPLICATION NUMBER: US/60/164,320
CURRENT FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 12897
LENGTH: 20
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                                                                                                    Length 20;
                                                                                                                                                1; Indels
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1.0%; Score 16.4; DB 1; Length 2
Best Local Similarity 94.4%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels
                                                                                               Query Match
Best Local Similarity 94.4%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                         ; Sequence 12587, Application US/60164320 ; GENERAL INFORMATION:
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; Sequence 12513, Application US/60183791
; GENERAL INFORMATION:
                                                                                                                                                                                                 1043 TCTTCATGCTGCTCA 1060
; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-60-164-320-12513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: DNA ORGANISM: Xanthomonas campestris
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Best Local Similarity
Matches 17; Conserv
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TYPE: RNA
ORGANISM: RNAi
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) Sequence 16154, Application US/60183791
) Sequence 16154, Application US/60183791
) GENERAL INPORMATION:
) APPLICANT: Bower, Stanley G.
) APPLICANT: Hinkle, Gregory J.
) TITLE OF INVENTION: Xanthemonas campestris Genome Sequences and Uses Thereof TITLE OF INVENTION WUMBER: US/60/183,791
) CURRENT PILING DATE: 2000-02-22
) SEQ ID NOS: 18992
) SEQ ID NO 16154
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Bower, Stanley G.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Xanthemonas campestris Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15804)B
CURRENT APPLICATION NUMBER: US/60/183,791
CURRENT FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 12587
LENGTH: 20
TITLE OF INVENTION: Xanthemonas campestris Genome Sequences and Uses Thereof
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Pred. No. 3.6e+02;
0; Mismatches 1; Indels
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1.0%; Score 16.4; DB 1; Length 20;
Best Local Similarity 94.4%; Pred. No. 3.6e+02;
Matches 17; Conservative 0; Mismatches 1; Indels
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                  FILE REFERENCE: 38-10(15804)B
CURRENT APPLICATION NUMBER: US/60/183,791
CURRENT FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 12513
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 12587, Application US/60183791 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                 1043 TCTTCATGCTGCTCA 1060
                                                                                                                                                     7 TYPE: DNA
7 ORGANISM: Xanthomonas campestris
US-60-183-791-12513
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Xanthomonas campestris
US-60-183-791-12587
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Best Local Similarity 94.4%;
Matches 17; Conservative
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Best Local Similarity 94.4%;
Matches 17; Conservative
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RESULT 325

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APPLICANT: Wyeth
APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AMIO927 (031896-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT APPLICATION NUMBER: DCT/US04/00035
PRIOR FILING DATE: 2004-01-06
PROR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SSCPTWARE: Patentin version 3.2
SSQ ID NO 8626
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT PILING DATE: 2004-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
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APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; DB 1; Length 21; 4e+02;
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4e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 16.2;
Pred. No. 46
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Fred. No. 40
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; Sequence 39540, Application PC/TUS0400035
; GENERAL INFORMATION:
Sequence 8626, Application PC/TUS0400035 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          PCT-USO4-00035-9047; Sequence 9047, Application PC/TUSO400035; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 9047
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Best Local Similarity 85.7%;
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Best Local Similarity 61.9 Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Matches 18; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: DNA
; ORGANISM: homo sapiens
PCT-US04-00035-8626
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APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Lown, Eugene
APPLICANT: Lown, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
SEQ ID NO 9947
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APPLICANT: Brown, Bugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM100927 (031896-002000)
CURRENT PPLICANTON NUMBER: US/10/751,736
CURRENT PILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
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                                   Length 21;
                                 1.0%; Score 16.2; DB 1;
85.7%; Pred. No. 4e+02;
iive 0; Mismatches 3;
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; GENERAL INFORMATION:
; APPLICANT: Wyeth
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APPLICANT: Wyeth
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SOFTWARE: Patentin version 3.2
SEQ ID NO 39540
LENGTH: 21
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Best Local Similarity 61.9
Matches 13; Conservative
                                                          Best Local Similarity 85.7
Matches 18; Conservative
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Best Local Similarity
Matches 10; Conser
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US-10-751-736-39540
                                                                                                                                                                                                                                                        RESULT 330
US-10-751-736-9047
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                                        Query Match
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; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 1755
US-10-287-820-1589
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APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AMI00927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR FILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
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FILE REFERENCE: AM100927 (031896-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT FILING DATE: 2004-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SEQ ID NO 39540
LENGTH: 21
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Mycoplasma pneumoniae M129 complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,820
CURRENT FILING DATE: 2002-11-05
SOFTWARE: Proprietary
SEQ ID NO 1589
LENGTH: 21
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1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels
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; Sequence 8626, Application US/10751736
; GENERAL INFORMATION:
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SOFTWARE: Patentin version 3.2
SEQ ID NO 8226
LENGTH: 21
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; ORGANISM: homo sapiens
US-10-751-736-8626
                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: RNAi
PCT-US04-00035-39540
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APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARES PACENTIN Version 3.2
SEQ ID NO 40565
LENGTH: 21
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Sequence 700, Application US/10831997

GENERAL INFORMATION:
APPLICANT: Lander, Exic S.
APPLICANT: Cargill, Michele
APPLICANT: Telland, James S.
APPLICANT: Daley, George O.
APPLICANT: Daley, George O.
APPLICANT: Daley, George O.
APPLICANT: Daley, George O.
APPLICANT: MCCarthy, Jeanette J.
TITLE OF INVENTION: SINGLE NUCLEOTIDE POLYMORPHISMS IN GENES
FILE REFERENCE: 2825.1027-001
CURRENT APPLICATION NUMBER: US/10/631,997
CURRENT APPLICATION NUMBER: US/09/657,472
PRIOR PELING DATE: 2000-09-07
PRIOR PELING DATE: 1999-09-10
PRIOR PELING DATE: 1999-09-10
PRIOR PELING DATE: 2000-09-07
PRIOR FILING DATE: 2000-09-07
PRIOR FILING DATE: 2000-09-16
PRIOR FILING DATE: PARESEO FOR WINDOWS USESION 4.0
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                                                                                                                                                                     ; DB 1; Length 21;
4e+02;
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85.7%; Pred. No. 4e+02;
ive 0; Mismatches 3; Indels
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85.7%; Pred. No. 4e+0
tive 0; Mismatches
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Matches 18; Conservative
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Best Local Similarity 85.7
Matches 18; Conservative
                                                     TYPE: DNA
CORGANISM: Homo sapiens
US-10-770-726-22694
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US-10-831-997-700
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SEÓ ID NO 22694
LENGTH: 21
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LENGTH: '21
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                                                                                                                                                      APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARES: Patentin version 3.2
LENGTH: 21
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APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIACNOSING, PREVENTING, AND TREATING
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AM101079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SSOFTWARER: Patentin version 3.2
LENGTH: 21
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APPLICANT: Liu, Wei
TILE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
TITLE OF INVENTION: CANCERS
FILE REFERENCE: AMI01079 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILLING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
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1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels
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1.0%; Score 16.2; DB 1; Length 21;
Best Local Similarity 85.7%; Pred. No. 4e+02;
Matches 18; Conservative 0; Mismatches 3; Indels
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GENERAL INFORMATION:
APPLICANT: Wyeth
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GENERAL INFORMATION:
APPLICANT: Wyeth
                                                                               Sequence 7017, Application US/10770726 GENERAL INFORMATION: APPLICANT: Wyeth
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-770-726-7037
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US-10-770-726-12530
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US-10-770-726-22694/c
                                                        US-10-770-726-7037/c
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APPLICANT: NIDER, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
CURRENT APPLICANTION: WCMBER: US/09/636,385
CURRENT FILING DATE: 1090-08-09
PRIOR PILING DATE: 1992-05-14
PRIOR APPLICANTON NUMBER: US 09/531,025
PRIOR APPLICANTON NUMBER: US 08/193,627
PRIOR APPLICANTON NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6341
SEQ ID NO 144
LENGTH: 17
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Sequence 144, Application US/09696347

Sequence 144, Application US/09696347

Sequence 144, Application US/09696347

APPLICANT: Brack. Largy

APPLICANT: Brack. Largy

APPLICANT: Brack. Largy

APPLICANT: Brack. Largy

APPLICANT: Morxissey, Dave

TITLE OF INVENTION: Method and Reagent for Inibiting Hepatitis B Virus Replication

FILE REFERENCE: 400/001

CURRENT APPLICATION NUMBER: US/09/696,347

CURRENT APPLICATION NUMBER: US 09/636,385

PRIOR FILING DATE: 2000-03-20

PRIOR PILING DATE: 2000-03-20

PRIOR PELING DATE: 1992-05-14

PRIOR PELING DATE: 1994-02-07

PRIOR PELING DATE: 1995-05-04

PRIOR FILING DATE: 1995-05-04

PRIOR FILING DATE: 1995-05-04

PRIOR FILING DATE: 1995-05-04

PRIOR PELING DATE: 1995-05-04

PRIOR PELING DATE: 1999-11-08
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                            Indels
  Pred. No. 3.5e+02; 
; Mismatches 0;
                                                                                                                                                                                                                                             Sequence 144, Application US/09636385; GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
Best Local Similarity 100.0%; P
Matches 16; Conservative 0;
                                                                        262 GGTTCCTTGAGCAGGA 277
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ORGANISM: Hepatitis B Virus
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Matches 16; Conserva
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APPLICANT: Blatt, Latry
APPLICANT: Blatt, Latry
APPLICANT: McSwiggen, Jüm
APPLICANT: McSwiggen, Jüm
APPLICANT: McSwiggen, Jüm
APPLICANT: McSwiggen, Jüm
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-R (247/277)
CURRENT APPLICATION NUMBER: US/09/531,025A
CURRENT FILING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-11-08
NUMBER: OS SEQ ID NOS: 6341
SEQ ID NO 144
LENGTH: 17
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                                                                        Gaps
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                                                                                                                                                                                                                                                                                 Sequence 37, Application US/10850928
GENERAL INFORMATION:
APPLICANT: JENTSCH, Thomas J.
TITLE OF INVENTION: POTASSIUM CHANNELS AND GENES ENCODING THESE
TITLE OF INVENTION: POTASSIUM CHANNELS
FILE REPRENSE: 2815-127PUS2
CURRENT APPLICATION NUMBER: US/10/850,928
FRIOR APPLICATION NUMBER: US/40,92,361
PRIOR PILING DATE: 2004-05-20
PRIOR PILING DATE: 2004-01-27
NUMBER OF SEQ ID NOS: 41
SOFTWARE: PATENTIN Ver. 2.1
SEG ID NO 37
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; OTHER INFORMATION: Description of Artificial Sequence: PCR Primer
US-10-850-928-37
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                  1.0%; Score 16.2; DB 1; Length 21; 85.7%; Pred. No. 4e+02; tive 0; Mismatches 3; Indel8
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 144, Application US/09531025A; GENERAL INFORMATION: APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                      1220 ATCAGGATGGGCTGCGGCTCC 1240
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                                                                                                                                                     1 ATCACCATGGYCTGCGGCTCC 21
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ORGANISM: Hepatitis B virus
                                           Best Local Similarity 85.73
Matches 18; Conservative
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US-09-531-025A-144/c
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                                                                                                                                                                                                                                             RESULT 337
US-10-850-928-37
                       Query Match
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APPLICANT: Edisabeth, Roberts
APPLICANT: Edisabeth, Roberts
TITLE OF INVENTION: OLICONOCLEDION MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: OLICONOCLEDION MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPATITIE OF INVENTION: OLICONOCLEDION MEDIATE 2003-09-23
FILE REFERENCE: 400/042US (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT FILING DATE: 2003-09-23
PRIOR FILING DATE: 2001-06-08
PRIOR PELING DATE: 2001-10-49
PRIOR FILING DATE: 2001-10-49
PRIOR FILING DATE: 2001-12-06
PRIOR FILING DATE: 2001-12-06
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-11
PRIOR PELING DATE: 2000-03-11
PRIOR PELING DATE: 2000-03-11
PRIOR PELING DATE: 2000-03-11
PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR PELING DATE: 2000-03-11
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                    CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
PRIOR APPLICATION NUMBER: US 09/877,478
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-08-09
PRIOR PILING DATE: 2000-08-09
PRIOR PILING DATE: 2000-10-24
PRIOR PILING DATE: 1090-24
PRIOR FILING DATE: 1094-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1992-05-14
PRIOR PILING DATE: 1992-05-14
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1992-05-14
PRIOR FILING DATE: 1998-05-14
PRIOR FILING DATE: 1998-05-14
PRIOR FILING DATE: 1998-05-14
PRIOR FILING DATE: 1998-05-14
PRIOR FILING DATE: 1998-11-08
NUMBER OF SEQ ID NOS: 6592
SOFTWARE: PATENTIN VERSION 3.2
E: 400/075 (MBHB00-845-I)
CATION NUMBER: US/10/342,902
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Pred. No.
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1.0%; Sc
Best Local Similarity 100.0%; P
Matches 16; Conservative 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA
; ORGANISM: Hepatitis B virus
US-10-342-902-144
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James, McSwiggen
David, Morrissey
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Kenneth, Draper
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Lawrence, Blatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pamela, Pavco
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APPLICANT: McWaigaen, Jime
APPLICANT: McWaigaen, Jime
APPLICANT: McWaigaen, Jime
APPLICANT: McWaigaen, Jime
APPLICANT: McMasey, Dave
TITLE OF INVENTION: McHod and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT FILING DATE: 2001-12-31
PRIOR PLILNG DATE: 2000-13-20
PRIOR APPLICATION NUMBER: US 09/636,385
PRIOR FILING DATE: 2000-03-20
PRIOR PLILNG DATE: 2000-03-20
PRIOR PLILNG DATE: 1994-02-07
PRIOR PLILNG DATE: 1994-02-07
PRIOR PLILNG DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 08/434,504
PRIOR FILING DATE: 1995-05-04
PRIOR PLILNG DATE: 1995-05-04
PRIOR PLILNG DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-01-06
PRIOR FILING DATE: 1995-01-06
NUMBER OF SEQ ID NOS: 6586
SOFTWARE: Patentin version 3.0
SEQ ID NO 144
LENGTH: IT
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APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: Morsissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
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3.5e+02;
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                                                                                                                                                                                                                           Score 16;
Pred. No.
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GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                        Query Match
Best Local Similarity 100.0%; P
Matches 16; Conservative 0;
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NUMBER OF SEQ ID NOS: 6389
SOFTWARE: PatentIn version 3.0
SEQ ID NO 144
                                                                                                                                                                                                                                                                                                                                                                                       17 GGTTCCTTGAGCAGGA 2
                                                                                                          ; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-09-696-347-144
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Best Local Similarity
Matches 16; Conserv
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PCT-USO4-04452-1068/C

Sequence 1068, Application PC/TUSO404452

GENERAL INFORMATION:
APPLICANT: Bardelli, Alberto
APPLICANT: Parsons, Will
APPLICANT: Velculescu, Victor
APPLICANT: Kinzler, Kenneth W.
APPLICANT: Vogelstein, Bert
TITLE OF INVENDITON: TYROSINE KINASES IMPLICATED IN CANCERS
FILE REFERENCE: 001107.0032
CURRENT APPLICATION NUMBER: PCT/USO4/04452
CURRENT FILING DATE: 2004-02-18
NUMBER OF SEQ ID NOS: 2191
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 1068
LENGHH: 20

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; Sequence 1067, Application PC/TUS0404452
; GENERAL INFORMATION:
APPLICANT: Bardelli, Alberto
APPLICANT: Parsons, Will
APPLICANT: Veloulescu, Victor
APPLICANT: Vinzler, Kenneth W.
APPLICANT: Vogelstein, Bert
TITLE OF INVENTION: TYSOSINE KINASES IMPLICATED IN CANCERS
FILE REFERENCE: 001107.00327
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100.0%; Pred. No. 4.1e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 4.1e+02;
ative 0; Mismatches 0;
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CURRENT FILING DATE: 2004-02-18
NUMBER OF SEQ ID NOS: 2191
SEQ ID NO 1067
LENGTH: 20
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Matches 16; Conservative
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                                                                                       ; ORGANISM: Homo sapiens
US-10-714-333A-814227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
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Best Local Similarity
Matches 16; Conserv
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                 LENGIH: 19
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APPLICANT: Characon, Inc.
APPLICANT: Rhvorcova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Responded, Angela
APPLICANT: Responded, Angela
APPLICANT: Carainge, Stephen
APPLICANT: Marshall, William
APPLICANT: MYBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-10-10
PRIOR PLILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 253299
LENDER THE SECOND SERVER SECOND SERVER SECOND SEC
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILER REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-01-10
PRIOR PLING DATE: 2003-01-10
PRIOR PLING DATE: 2003-01-10
PRIOR FILING DATE: 2003-01-10
                                                                                                                                                                                                                                                                                                                                                Length 17;
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43.8%; Pred. No. 3.9e+02;
tive 9; Mismatches 0; Indels
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1.0%; Score 16; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 3.5e+02;
Matches 16; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      262 GGTTCCTTGAGCAGGA 277
NUMBER OF SEQ ID NOS: 16207
SOFTWARE: PatentIn version 3.0
SEQ ID NO 144
LENGTH: 17
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SOFTWARE: Proprietary
SEQ ID NO 814227
                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match
Best Local Similarity 43.8
Matches 7; Conservative
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US-10-714-333A-814227
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FEATURE: OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devinlian
APPLICANT: Leake, Devinlian
APPLICANT: Marahall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTHARE PERIOR PERIOR STEATS
SOFTHARE
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APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPRENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
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89.5%; Pred. No. 4.1e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-714-333A-29001/c; Sequence 29001, Application US/10714333A; GENERAL INFORMATION:
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US-10-714-333A-29083/c
; Sequence 29083, Application US/10714333A
; GENERAL INFORMATION:
                                                 60/440,129
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PRIOR FILING DATE: 2002-09-09
PRIOR APPLICATION NUMBER: US 60/
PRIOR FILING DATE: 2003-01-15
NUMBER OF SEQ ID NOS: 672
SOFTWARE: Patentin version 3.2
EDG ID NO 509
LENGTH: 19
                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity 89.5
Matches 17; Conservative
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ORGANISM: Homo sapiens
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Matches
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                                                                                                                                                          GENERAL INVORMATION:

APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Baigalman, Leonid
APPLICANT: Chowrira, Banzat
TITLE OF INVENTION: Pactor (PDGF) and Platelet Derived Growth Factor Receptor (FDGF)
TITLE OF INVENTION: Pactor (FDGF) and Platelet Derived Growth Factor Receptor (FDGF)
TITLE OF INVENTION: Pactor (FDGF) and Platelet Derived Growth Factor Receptor (FDGF)
TITLE OF INVENTION: BAN Interference Mediated Inhibition of Platelet Derived Growth
TITLE OF INVENTION: BAN INTERFERENCE: 00-703 (400/092)
TITLE OF INVENTION: BANDER: PACT/US03/03473
CURRENT APPLICATION NUMBER: PCT/US03/03473
CURRENT APPLICATION NUMBER: US 60/358,580
FRIOR FILING DATE: 2002-02-20
FRIOR PLILNG DATE: 2002-04-25
FRIOR PLILNG DATE: 2002-06-06
FRIOR PLILNG DATE: 2002-06-06
FRIOR APPLICATION NUMBER: US 60/406,784
FRIOR RILING DATE: 2002-09-05
FRIOR PLILNG DATE: 2002-09-05
FRIOR PLILNG DATE: 2002-09-05
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2002-09-09
FRIOR FILING DATE: 2003-01-15
NUMBER OF SQ ID NOS: 672
SSQ ID NOS: 672
SSQ ID NO 198
FRIOR FILING DATE: 2003-01-15
FRIOR FRIOR FRIOR DATE: 2003-01-15
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APPLICANT: MIGWAGGE, James
APPLICANT: MIGWAGGE, James
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Chowrira, Bhrate
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Platelet Derived Growth
TITLE OF INVENTION: RAA DERIVED TO THE TRANSPORT OF TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (sink)
TITLE OF INVENTION: Gene Expression Using Short Interfering Nucleic Acid (sink)
TITLE OF INVENTION: Good-09-25
CURRENT FILING DATE: 2003-04-25
CURRENT FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-03-11
PRIOR FILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR APPLICATION NUMBER: US 60/406, 784
PRIOR FILING DATE: 2002-08-29
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OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                 Sequence 198, Application PC/TUS0303473
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                                                                               CT-US03-03473-198/c
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; Sequence 63629, Application US/10714333A
; Sequence 63629, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynold, Angela
; APPLICANT: Reynold, Angela
; APPLICANT: Beake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Marshall, William
; APPLICANT: Marshall, William
; APPLICANT: Marshall, William
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; TILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: 60/502,050
; PRIOR PILING DATE: 2003-11-14
; PRIOR FILING DATE: 2003-11-14
; NUMBER OF SEO ID NOS: 1591911
; SOFTWARE: PROprietary
; SEO ID NO 63829
: LENGTH: 19
                                                                                                                                                                                                                                                     Length 19;
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US-10-714-333A-99008/C
iSequence 99006, Application US/10714333A
Sequence 99006, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Brancon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respective Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERSONE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 00/22-11-14
SOFTWARE: PROPRIETATION NUMBER: 60/426,137
PRIOR PLICATION PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION PRI
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                                                                                                                                                                                                                                                                                                                    2; Indels
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Pred. No. 4.1e+02;
0; Mismatches 2;
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Best Local Similarity 89.55
Matches 17; Conservative
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                                                                                                                                            ORGANISM: Homo sapiens
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          SOFTWARE: Proprietary
SEQ ID NO 63628
LENGTH: 19
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                                                                                                            TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              RESULT 352
US-10-714-333A-29157/C
is Sequence 29157, Application US/10714333A
is General INFORMATION:
is APPLICANT: Dharmacon, Inc.
is APPLICANT: Rhyorova, Anastasia
is APPLICANT: Reynolds, Angela
is APPLICANT: Reynolds, Angela
is APPLICANT: Leake, Devin
is APPLICANT: Beach Devin
is APPLICANT: Scaringe, Stephen
it ITLE OF INVENTION: Functional and Hyperfunctional siRNA
is TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
is FILE REFERENCE: 13499US
is CURRENT APPLICATION NUMBER: US/10/714,333A
is CURRENT FILING DATE: 2003-11-14
is PRIOR FILING DATE: 2002-11-14
is NUMBER OF SEQ ID NOS: 1591911
is SOFTWARE: Proprietary
is ELONO 29157
is LENGTH: 19
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US-10-714-333A-63628/C
Sequence 63628, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Bearinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
FRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
CURRENT APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
SHIOR FILING DATE: 2001-11-14
SHIOR FILING DATE: 2001-11-14
SHIOR FILING DATE: 2001-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 29083
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TATGCCTGCTTCCTCTTGG 1
                                                                                                                                                                                                    TYPE: RNA
CRGANISM: Homo sapiens
US-10-714-333A-29083
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-10-714-333A-29157
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Length 19;
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APPLICANT: RAYDOLOS, Anaetasia
APPLICANT: RAYDOLOS, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Caek, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID.NO 147470
                                                                                                                                                                                                                                                                                                                                        APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marehall, William
APPLICANT: Marehall, William
APPLICANT: Scaringe, Stephen
TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 08/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 143239
                                                                          2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                2; Indels
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Pred. No. 4.1e+02;
                       Score 15.8; DB 1;
Pred. No. 4.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15.8; DB 1;
Pred. No. 4.1e+02;
                                                                          4; Mismatches
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                                                                                                                                                                                                                                                                                               Sequence 143239, Application US/10714333A GENERAL INFORMATION:
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; Sequence 147470, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                           411 CACCCTGGCCATCGACTTC 429
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                    Query Match
Best Local Similarity 68.4%;
Matches 13; Conservative
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Best Local Similarity 68.4%;
Matches 13; Conservative
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US-10-714-333A-147470
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Best Local Similarity
                                                                                                                                                                                                                                                RESULT 358
US-10-714-333A-143239
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                                                                                                 Query Match
1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Carting, Brilliam
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 112482
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                               US-10-714-333A-112482/c; Sequence 112482, Application US/10714333A; GENERAL INFORMATION:
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; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-99008
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; ORGANISM: Homo sapiens
US-10-714-333A-112482
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ORGANISM: Homo sapiens
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19 AACTGAGGAAGCTGCTGTA 1
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Reynolds, Angela
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 372190
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Best Local Similarity 42.1
Matches 8; Conservative
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-714-333A-265610
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                                                                                                                                      Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 89.5%; Pred. No. 4.1e+02; Matches 17; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Milliam APPLICANT: Reynolds, Angela APPLICANT: Reynolds, Angela APPLICANT: Reynolds, Angela APPLICANT: Leake, Dovin APPLICANT: Marchall, William APPLICANT: Scaringe, Stephen TITLE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 13499US CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT PLILING DATE: 2003-11-14 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR PLILING DATE: 2003-09-10 PRIOR PLILING DATE: 2003-11-14 NUMBER OF SEQ ID NOS: 1591911 SOUTHWARE: Proprietary SEQ ID NO 182227
 Indels
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6; Mismatches
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; Sequence 18227, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1291 GCAGTGGCCCATGAGTATA 1309
                               418 GCCATCGACTTCATTGATG 436
                                                1 GCAGUGGCCCAUAAGUGUÁ 19
Matches 11; Conservative
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US-10-714-333A-150408
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US-10-714-333A-182227
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LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1.0%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 4.1e+02; ive 0; Mismatches 2; Indels
                                                                                                                         APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Arsthall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFREENCE: 13499018
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION STEP 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 265610
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-01-14
US-10-714-333A-265610
; Sequence 255610, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-372190/c
; Sequence 372190, Application US/10714333A
; GENEAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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...on US/10714333A
...armacon, Inc.
APPLICANT: Revnoids, Angela
APPLICANT: Revnoids, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2003-10-10
SPIOR FILING DATE: 2003-10-10
SOFTWARE: Proprietary
SEQ ID NO 393089
TYPE: PATERNOISE: 19911
SOFTWARE: PROPRIETARY
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.8; DB 1; Length 19;
Pred. No. 4.1e+02;
0; Mismatches 2; Indels
                                                                APPLICANT: Khorocova, Anaetasia
APPLICANT: Khorocova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marball, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 391694
LENGTH: 19
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Sequence 391694, Application US/10714333A GENERAL INFORMATION:
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-393089
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
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US-10-714-333A-396174
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Pred. No. 4.1e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 4.1e+02;
                                                                                                           APPLICANT: Characton, Inc.
APPLICANT: Characton, Anastasia
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Restinge, Stephen
APPLICANT: Marshall, William
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILLING DATE: 2003-09-10
PRIOR PILLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 375661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Leafer, Devin
APPLICANT: Leafer, Devin
APPLICANT: Acaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                     Sequence 375661, Application US/10714333A GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Matches 17; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-375661
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ORGANISM: Homo sapiens
                                                    JS-10-714-333A-375661/c
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LENGTH: 19
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Score 15.8; DB 1; Length 19; Pred. No. 4.1e+02;
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RESULT 366 US-10-714-333A-391694/c

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RESULT 371
US-10-714-333A-486813
; Sequence 486813, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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; Sequence 496998, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 68.4%;
  Marshall, William
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US-10-714-333A-486813
                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Homo
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LENGTH: 19
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i Sequence 425463, Application US/10714333A

APPLICANT: Darmacon, Inc.

i APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

i APPLICANT: Marshall, William

APPLICANT: Scarings, Stephen

i TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

i CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-14

i PRIOR FILING DATE: 2002-11-14

i NUMBER: OF SEQ ID NOS: 1591911

i SOFTWARE: Proprietary

i LENTH: 19

i LENTH: 19
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Pred. No. 4.1e+02;
5; Mismatches 2; Indels
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Pred. No. 4.1e+02;
0; Mismatches 2; Indels
                                   APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                              CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PLILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-433550
Sequence 433550, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
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Khvorova, Anastasia
Reynolds, Angela
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Best Local Similarity 63.2<sup>3</sup>
Matches 12, Conservative
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Best Local Similarity 89.5
Matches 17; Conservative
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US-10-714-333A-396174
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## APPLICANT: Scaringe, Stephen
## TITLE OF INVENTION: Functional and Hyperfunctional siRNA
## FILE REPERENCE: 13499US
## CURRENT APPLICATION NUMBER: US/10/714,333A
## CURRENT FILING DATE: 2003-11-14
## PRIOR APPLICATION NUMBER: 60/502,050
## RIOR APPLICATION NUMBER: 60/426,137
## RIOR APPLICATION NUMBER: 60/426,137
## NUMBER OF SEQ ID NOS: 1591911
## SOFTWARE: Proprietary
## SEQ ID NO 433550
## ILING DATE: 2002-11-14
## ILING DATE: Proprietary
## ILING
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APPLICANT: Khvorova, Anastasia
APPLICANT: Rhvorova, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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Pred. No. 4.1e+02;
4; Mismatches 2;
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Score 15.8; DB 1;
Pred. No. 4.1e+02;
0; Mismatches 2;
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; Sequence 613102, Application US/10714333A
; GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARR: Proprietary
SOFTWARR: Proprietary
LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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89.5%;
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Best Local Similarity 89,59
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17; Conservative
                                                                                                                                                                                                                                                                                                       TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-520328
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ORGANISM: Homo sapiens
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Best Local Similarity
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89.5%; Pred. No. 4.1e+02;
ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Dharmacon, Inc.
APPLICANT: Chrorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 134990US
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Rese, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 134994600
CURRENT APPLICANION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
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Pred. No. 4.1e+02;
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                                          CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
FRIOR PILING DATE: 2003-09-10
FRIOR PRIOR APPLICATION NUMBER: 60/426,137
FRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 508050, Application US/10714333A
; GENERAL INFORWATION:
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Matches 17, Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-508050
                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-496998
               FILE REFERENCE: 13499US
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Gaps
1.0%; Score 15.8; DB 1; Length 19; 89.5%; Pred. No. 4.1e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Reynolds, Angela APPLICANT: Responder, Leake, Devin APPLICANT: Leake, Devin APPLICANT: Marshall, William APPLICANT: Scaringe, Stephen TITLE OF INVENTION: Functional and Hyperfunctional siRNA FILE OF INVENTION NUMBER: US/10/714,333A CURRENT APPLICATION NUMBER: US/20/20 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR APPLICATION NUMBER: 60/426,137 PRIOR APPLICATION NUMBER: 60/426,137 PRIOR APPLICATION NUMBER: 60/426,137 PRIOR FILING DATE: 2002-11-14 NUMBER OF SEQ ID NOS: 1591911 SOFTWARE: Proprietary
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APPLICANT: Kaynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 63.2%; Pred. No. 4.1e+02;
Matches 12; Conservative 5; Mismatches 2; Indels
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APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
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GENERAL INFORMATION;
APPLICANT: Khvorova, Anastasia
APPLICANT: Keynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Caske, Devin
APPLICANT: Scaringe, Stephen
TILE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 751835
LENGTH: 19
TYPE: RNA
                                                                                                                                                                                                 2; Indels
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Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2;
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US-10-714-333A-751835/c
Sequence 751835, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                   TYPE: RNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-714-333A-744552
                                                                                                    US-10-714-333A-713692
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       ; SEQ ID NO 713692
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 4.1e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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APPLICANT: Dharmacon, Inc.
APPLICANT: Chrorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/520,050
PRIOR PAPLICATION NUMBER: 60/520,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PELING DATE: 2003-10-10
PRIOR PRING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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; Sequence 675642, Application US/10714333A
; GENERAL INFORMATION:
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PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
                                                                                                                  TYPE: RNA; ORGANISM: Homo sapiens
US-10-714-333A-624778
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US-10-714-333A-675642
                                                                         SEQ ID NO 624778
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Length 19;

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1.0%; Score 15.8; DB 1;
68.4%; Pred. No. 4.1e+02;
tive 4; Mismatches 2;
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; Sequence 794260, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                     US-10-714-333A-787901/c
; Sequence 787901, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                        103 GCCCCGGACTTGGTACAAT 121
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                                               Matches;, 13; Conservative
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US-10-714-333A-787901
    Query Match
Best Local Similarity
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Best Local Similarity
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US-10-714-333A-794260
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                                                                    Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 89.5%; Pred. No. 4.1e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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Pred. No. 4.1e+02;
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Harshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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Sequence 759661, Application US/10714333A
GENERAL INFORMATION:
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CORGANISM: Homo sapiens
US-10-714-333A-759661
    ; ORGANISM: Homo sapiens
US-10-714-333A-751835
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CORGANISM: Homo sapiens
US-10-714-333A-766215
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US-10-714-333A-766215
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Gaps
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89.5%; Pred. No. 4.1e+02;
iive 0; Mismatches 2; Indels
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LEAGURE OF SEQ ID NOS: 1591911
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APPLICANT: REWTOLDS ANGELS
APPLICANT: RewTolds Angels
APPLICANT: RewTolds Angels
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 787901
LENGTH: 19
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Pred. No. 4.1e+02;
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1.0%; Score 15.8; DB 1; Length 19;
89.5%; Pred. No. 4.1e+02;
rative 0; Mismatches 2; Indels
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                                                                                                                                                            APPLICANT: Characton, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scarrings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
ILENGTH: 19
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APPLICANT: Chyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Caringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                                                          US-10-714-333A-814427/c
; Sequence 814427, Application US/10714333A
; GENERAL INFORMATION:
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19 TCTGTGTTGCTGTATTTGC 1
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Best Local Similarity 89.5
Matches 17; Conservative
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Best Local Similarity 63.23
Matches 12; Conservative
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US-10-714-333A-814427
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US-10-714-333A-828864
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US-10-714-333A-828864
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US-10-714-333A-804931/C
Sequence 804931, Application US/10714333A
GENERAL INPORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Expendids, Angela
APPLICANT: Expendids, Angela
APPLICANT: Leake, Devin
APPLICANT: Barnage, Stephen
APPLICANT: Barnage, Stephen
APPLICANT: Barnage, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 804931
                                                                                                                                                                 Sequence 799168

Sequence 799168, Application US/10714333A

Sequence 799168, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Charmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Responds, Angela

APPLICANT: Marshall, William

APPLICANT: Marshall, William

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 799168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 52.6%; Pred. No. 4.1e+02; Matches 10; Conservative 7; Mismatches 2; Indels
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                 799 AGTTTCTCCAGCTACCTCT 817
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                                                                 19 AGTTTCTCCAGCTTCTTCT 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-799168
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                     RESULT 385
US-10-714-333A-799168
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Length 19;
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; Sequence 900276, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anaetesia
APPLICANT: Reynolds, Angela
APPLICANT: Responde, Angela
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTHARE: Proprietary
CRD IN NO AND ADDITION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2; Indels
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                                                      APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 15.8; DB 1;
Pred. No. 4.1e+02;
4; Mismatches 2;
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Pred. No. 4.1e+02;
0; Mismatches 2;
                                                                                                                                                                    CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14
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US-10-714-333A-900364
; Sequence 900364, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                  PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO ROSE PROPRIETARY
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              Khvorova, Anastasia
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Best Local Similarity 68.4%;
                                      Reynolds, Angela
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                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-895382
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US-10-714-333A-900276
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US-10-714-333A-900276
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LENGTH: 19
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4.1e+02;
Sequence 841815, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-10-10
PRIOR PPLING DATE: 2003-10-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 841815
LENGTH: 19
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4.1e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
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APPLICANT: Rhvorova, Ansetasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
ATILLE OF INVENTION: Functional and Hyperfunctional siRNA
PILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEG ID NOS: 1591911
SEG ID NO 842553
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Best Local Similarity 89.5%; Pred. No. 4.1e
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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; Sequence 842553, Application US/10714333A
; GENERAL INFORMATION:
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89.5%;
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Best Local Similarity 89.5
Matches 17; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-842553
                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 391
US-10-714-333A-895382/c
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Matches 8; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-986535
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0
Leake, Devin
Leake, Devin
Marshall, William
APPLICANT: Scarlinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 06/502,050
PRIOR RILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 900364
LENGTH: 19
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 68.4%; Pred. No. 4.1e+02;
Matches 13; Conservative 4; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 47.4%; Pred. No. 4.1e+02;
Matches 9; Conservative 8; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Khorrova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshal, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/426,137
FRIOR FILING DATE: 2003-09-10
FRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-714-333A-986535
Sequence 986535, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      411 CACCTGGCCATCGACTTC 429
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1 CUACGUCUCCUUCCUCUUC 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-900364
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-911300
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Gaps
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Keynolds, Angela
APPLICANT: Keynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1008230
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## APPLICANT: Scaringe, Stephen
### TITLE OF INVENTION: Functional and Hyperfunctional siRNA
### FILE REFERENCE: 13499US
### CURRENT APPLICATION NUMBER: US/10/714,333A
### CURRENT FILING DATE: 2003-11-14
### PRIOR APPLICATION NUMBER: 60/502,050
### PRIOR PILING DATE: 2003-09-10
### PRIOR PILING DATE: 2003-09-10
### PRIOR PILING DATE: 2002-11-14
### NUMBER OF SEQ ID NOS: 1591911
### SOFTWARE: Proprietary
### SEQ ID NO 98535
### LENGTH: 19
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APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATILLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
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42.1%; Pred. No. 4.1e+02;
tive 9; Mismatches 2;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 68.4%; Pred. No. 4.1e+02;
Matches 13; Conservative 4; Mismatches 2;
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APPLICANT: Edwords, Angela
APPLICANT: Leake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1119042
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE, REFRENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
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1.0%; Score 15.8; DB 1;
Best Local Similarity 57.9%; Pred. No. 4.1e+02;
Matches 11; Conservative 6; Mismatches 2;
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Pred. No. 4.1e+02;
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APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1119042, Application US/10714333A GENERAL INFORMATION:
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PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/42
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1086368
LENGTH: 19
                                                                                                                                                                                                                                                                        1.0%;
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Dharmacon, Inc.
                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-714-333A-1119042
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US-10-714-333A-1119042
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; Sequence 1051939, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rivorova, Anastasia
APPLICANT: Rivorova, Anastasia
APPLICANT: Marshall, William
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-01-14
PRIOR FILING DATE: 2003-01-16
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1051939
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US-10-714-333A-1086368/C
SQUENCE 1086368, Application US/10714333A
SGUENERL INPORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorva, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: APPLICANT: Applian
APPLICANT: APPLICANT: Applian
APPLICANT: APPLICANT: APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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     CURRENT APPLICATION NUMBER: US/10/714,333A
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          PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 100596
LENTH: 19
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1 GUGGAGAUUUAAACACUGA 19
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Matches 14, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1051939
                                                                                                                                                                                                                                               TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1010596
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Length 19;
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
CURRENT FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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Sequence licotes, Application US/10714333A;
Sequence licotes, Application US/10714333A;
APPLICANT: Dharmacon, Inc.;
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TILLS OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
                                                                                                                                                                                          2; Indels
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                                                                                                                                   Query Match 1.0%; Score 15.8; DB 1; Best Local Similarity 52.6%; Pred. No. 4.1e+02; Matches 10; Conservative 7; Mismatches 2;
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US-10-714-333A-1160589
; Sequence 1160589, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                           378 GTTCATCGCTGCCTGTGT 396
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                           ; TYPE: RNA; ORGANISM: Homo sapiens
US-10-714-333A-1160483
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens
US-10-714-333A-1160589
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       RESULT 405
US-10-714-333A-1160688
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LENGTH: 19
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LENGTH: 19
     LENGTH: 19
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 4.1e+02;
Matches 11; Conservative 6; Mismatches 2; Indels
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(S-10-714-333A-1160483, Application US/10714333A;
Sequence 1160483, Application US/10714333A;
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhorova, Anastasia
APPLICANT: Revolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Leake, Devin
APPLICANT: Annual and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/520,050
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPATELEATY
SEQ ID NO 1160483
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 73.7%; Pred. No. 4.1e+02;
Matches 14; Conservative 3; Mismatches 2; Indels
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GENERAL INFORMALION:
GENERAL INFORMALION:
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respective, Devin
APPLICANT: Respective, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNa
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 0503-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR PLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1150262
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1150262, Application US/10714333A GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1119105
LENGTH: 19
                                                                                                        TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1119105
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CORGANISM: Homo sapiens
US-10-714-333A-1150262
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.;
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respondis, Angela
APPLICANT: Searinge, Stephen;
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA;
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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APPLICANT: Reshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-01-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETATY
SEQ ID NO 1274666
LENGTH: 19
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     89.5%; Pred. No. 4.1e+02;
tive 0; Mismatches 2; Indels
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Fred. No. 4.1e+02;
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1.0%; Score 15.8; E
Best Local Similarity 89.5%; Pred. No. 4.1e
Matches 17; Conservative 0; Mismatches
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                                                                                802 TICTCCAGCTACCTCTACT 820
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Reynolds, Angela
Best Local Similarity 89.5
Matches 17; Conservative
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APPLICANT: Khvorova, Anas
APPLICANT: Reynolds, Ange
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; ORGANISM: Homo sapiens
US-10-714-333A-1274666
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 17; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              US-10-714-333A-1285653
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                                                    Query Match 1.0%; Score 15.8; DB 1; Length 19; Best Local Similarity 52.6%; Pred. No. 4.1e+02; Matches 10; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match
1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 52.6%; Pred. No. 4.1e+02;
Matches 10; Conservative 7; Mismatches 2; Indels
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APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-01-14
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PELING DATE: 2003-11-14
SOFTWARE: Proprietary
SEQ ID NO: 1209330
                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Rese, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
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CURRENT FILING DATE: 2003-11-14
FRICA APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1160787
LENGTH: 19
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US-10-714-333A-1209330/c
| Sequence 1209330, Application US/10714333A
| GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                    Sequence 1160787, Application US/10714333A, GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
                                                                                                                                                      378 GTTCATCGCTGGCCTGTGT 396
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1 GUUCUUCGGUGGCCUGUGU 19
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US-10-714-333A-1160787
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US-10-714-333A-1209330
          US-10-714-333A-1160688
                                                                                                                                                                                                                                                                                                  US-10-714-333A-1160787
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89.5%; Pred. No. 4.18+02;
ive 0; Mismatches 2; Indels
                                                                                                      Sequence 1334204, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Ansetasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Searings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1334204
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Khyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
TITLE OF ILLING DATE: 2003-11-14
CURRENT FILLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/26,137
PRIOR PILLING DATE: 2003-10
PRIOR FILLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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; Sequence 1353268, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1061 TCTTCTTTGCCTTCCTCCA 1079
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Matches 17; Conservative
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Matches 17; Conservative
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                                                                                        US-10-714-333A-1334204/c
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LENGTH: 19
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US-10-714-333A-1320738/C
; Sequence 1320738, Application US/10714333A
; Sequence 1320738, Application US/10714333A
; GENERAL INFORMATION:
    APPLICANT: Dharmacon, Inc.
    APPLICANT: Revnoids, Angela
    APPLICANT: Revnoids, Angela
    APPLICANT: Leake, Devin
    APPLICANT: Scaringe, Stephen
    TITLE OF INVENTION: Functional and Hyperfunctional siRNA
    FILE REFERENCE: 1349910
    FILE REFERENCE: 1349910
    FRIOR APPLICATION NUMBER: 00/502,050
    FRIOR APPLICATION NUMBER: 60/426,137
    PRIOR FILING DATE: 2003-01-10
    PRIOR APPLICATION NUMBER: 60/426,137
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Pred. No. 4.18+02;
0; Mismatches 2; Indels
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Pred. No. 4.1e+02;
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                                                                                                                                                         RESULT 410
UG-10-714-333A-1289597/C
UG-10-714-333A
; Sequence 1289597, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Leake, Devin
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: APPLICANT: APPLICANT: Title OF INVENTION: Functional and Hyperfunctional siRNA; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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814 CTCTACTTCCTCTTCTGCC 832
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Best Local Similarity 89.5%;
Matches 17; Conservative
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Best Local Similarity 89.5%;
Matches 17; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-1320738
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CORGANISM: Homo sapiens
US-10-714-333A-1289597
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APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anstasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Arshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFRENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1500378
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Keynolda, Angela
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Cast, Devin
APPLICANT: Ascaringe, Stephen
APPLICANT: Ascaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Pred. No.,4.1e+02;
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; Sequence 1514938, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 1515093, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 73.7%;
Matches 14; Conservative
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APPLICANT: Reynolds, Angela
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; ORGANISM: Homo sapiens
US-10-714-333A-1514938
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Best Local Similarity
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 57.9%; Pred. No. 4.1e+02;
Matches 11; Conservative 6; Mismatches 2; Indels
                                                                          APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respirate, Angela
APPLICANT: Respirate, Stephen
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502.050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 5004-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1363311
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| Sequence 1452775/c
| Sequence 1452775 Application US/10714333A
| GENERAL INFORMATION:
| APPLICANT: Bharmacon, Inc.
| APPLICANT: Reynolds, Angela
| APPLICANT: Marchall, Milliam
| APPLICANT: Marchall, William
| APPLICANT: Scaringe, Stephen
| TITLE OF INVENTION: Functional and Hyperfunctional siRNA |
| FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
             GENERAL INFORMATION:
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Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1363311
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1452775
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US-10-714-333A-1500378
             US-10-714-333A-1363311
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GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
APPLICANT: Miraglia; Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
TITLE OF INVENTION: Compositions and Methods for the Modulation of
TITLE OF INVENTION: Activating Protein 1
NUMBER OF SEQUENCES: 138
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Pred. No. 4.1e+02;
0; Mismatches 2; Indels
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APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 1533573.73, Application US/10714333A
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Warshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 14499US
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CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
FRIOR FILING DATE: 2003-09-10
FRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1533573
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                                                                                                                             PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1515093
LENGTH: 19
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Best Local Similarity 89.5%;
Matches 17; Conservative (
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Matches 17; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-1515093
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CORGANISM: Homo sapiens
US-10-714-333A-1533573
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US-10-714-333A-1533573/c
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PCT-US98-07386-100
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Sequence 56, Application PC/TUS0222746
GENERAL INFORMATION:
APPLICANT: 1sis Pharmaceuticals, Inc.
APPLICANT: Rosanne M. Crooke
APPLICANT: Rark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
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Pred. No. 4.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                    COMPUTER TRADABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE COMPUTER: IBM PS/22
OMPUTER: IBM PS/22
OPERATION SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
FILING DATE: herewith
CLASSIFICATION:
                 Offices of Jane Massey Licata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide PCT-US02-22746-56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 20
                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/837,201

FILING DATE: APILI 14, 1997

ATTORNEY/AGENT INFORMATION:

NAME: Jane Massey Licata

REGISTRATION NUMBER: 12,257

REFRENCE/DOCKET NUMBER: 1SPH-0305

TELEPHONE: (609) 779-2400

TELEPHONE: (609) 779-8488

INFORMATION FOR SEQ ID NO: 100: SEQUENCE CHARACTERISTICS: (609) 779-8488

INFORMATION FOR SEQ ID NO: LENGTH: 20
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                   ADDRESSEE: Law Offices of Ja
STREET: 66 East Main Street
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89.5%;
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Best Local Similarity 89.55
Matches 17; Conservative
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STRANDEDNESS: Single
CORRESPONDENCE ADDRESS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TOPOLOGY: Linear; ANTI-SENSE: Yes PCT-US98-07386-100
                                                                       NJ
USA
                                                        Marlton
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                                                                            STATE: N. COUNTRY:
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Sequence 100, Application US/08837201A
GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean, Robert A. McKay; Loren J.
APPLICANT: Miraglia, Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
TITLE OF INVENTION: Compositions and Methods for the Modulation of
TITLE OF INVENTION: Compositions and Methods for the Modulation of
TITLE OF INVENTION: Activating Protein 1
NUMBER OF SEQUENCES: 130
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 20;
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MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
COMPUTER: IBM PS/2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.8; DB 1;
Pred. No. 4.3e+02;
0; Mismatches 2;
                                                                                                                                                                 ZIP: 94025
COMPUTER READABLE FORM:
MEDIUM TYPE: Disketter
COMPUTER: IBM Compatible
OPERATING SYSTEM: DOS
SOFTWARE: FastESEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/786,984
FILING DATE: 23-JAN-1997
CLASSIFCATION 1435
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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SOFTWARE: WORDERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/837,201A
FILING DATE: APPLI 14, 1997
CLASSIFICATION: 514
                      CORRESPONDENCE ADDRESS:
ADDRESSEE: Fish and Richardson STREET: 2200 Sand Hill Road CITY: Menlo Park STATE: CA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            815 TCTACTTCCTCTTCTGCCC 833
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 415 322 5070
TELEFAX: 322 854-0875
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              36677
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Best Local Similarity 89.5%;
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Sherwood, Pamela J
REGISTRATION NUMBER: 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
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  NUMBER OF SEQUENCES:
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US-08-837-201A-100
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PCT-US03-32713-49

PCT-US03-32713-49

Sequence 49, Application PC/TUS0332713

GENERAL INPORMATION:

APPLICANT: 18is Pharmaceuticals, Inc.

APPLICANT: Andrew T. Watt.

TITLE OF INVENTION ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION FILE REFERENCE: RTS-0231WO

CURRENT APPLICATION WUMBER: PCT/US03/32713

CURRENT FILING DATE: 2003-10-16

PRIOR APPLICATION NUMBER: 10/273,070

PRIOR APPLICATION NUMBER: 10/273,070

PRIOR FILING DATE: 2002-10-16

NUMBER OF SEQ ID NOS: 89

LENGTH: 20
                                                                              PCT-USO2-28729-28/C

FCT-USO2-28729-28/C

Sequence 28, Application PC/TUSO228729

GENERAL INFORMATION:

APPLICANT: Isia Pharmaceuticals, Inc.

APPLICANT: Andrew T. Ward

TITLE OF INVENTION: ANTISENSE MODULATION OF RIBONUCLEASE L EXPRESSION

FILE REFERENCE: RTSP-0411

CURRENT APPLICATION NUMBER: PCT/USO2/28729

CURRENT FILING DATE: 2002-09-09

PRIOR FILING DATE: 2001-09-12

NUMBER OF SEQ ID NOS: 88

SEQ ID NO 28

LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Sikic, Branimir
APPLICANT: Dumontet, Charles
TITLE OF INVENTION: Measurement and modulation
TITLE OF INVENTION: of microtubule isotypes for cancer therapy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Query Match 1.0%; Score 15.8; DB 1; Length 20; Best Local Similarity 89.5%; Pred. No. 4.3e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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20 GGGAACCCTTCAGCACCCG 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: DNA ORGANISM: Artificial Sequence
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Query Match 1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                           Sequence 10, Application US/09157068
GENERAL INFORMATION:
APPLICANT: Darrell C. Conklin
APPLICANT: Francis J. Grant
APPLICANT: Mark W. Rixon
APPLICANT: Mayne Kindewogli
APPLICANT: Mayne Kindewogli
APPLICANT: Wayne Kindewogli
APPLICANT: Wayne Kindewogli
FILE REFERENCE: 98-46
CURRENT APPLICATION NUMBER: US/09/157,068
CURRENT FILING DATE: 1998-09-18
NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 3.0
SERUGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 10, Application US/09245293
Sequence 10, Application US/09245293
GENERAL INFORMATION:
APPLICANT: COnclin, Darrell
APPLICANT: Rixon, Mark W.
APPLICANT: Rixon, Mark W.
APPLICANT: Rindsvogel, Wayne
TILE REFERENCE: 98-46X2
CURRENT APPLICATION UNDERFERON-EPSILON
CURRENT APPLICATION WUMBER: US/09/245, 293
CURRENT APPLICATION WUMBER: US/09/245, 293
CURRENT APPLICATION NUMBER: 1999-02-05
NUMBER OF SEQ ID NOS: 25
NUMBER OF SEQ ID NOS: 25
SOFTWARE: FASTSEQ for Windows Version 3.0
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; Sequence 56, Application US/09918026A
                                                                    627 GGTGCTCTGCGCGCTGCCG 645
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: PCR primer US-09-157-068-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        OTHER INFORMATION: PCR primer US-09-245-293-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match
Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                               US-09-157-068-10/c
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LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Nicholas M. Dean; Robert A. McKay; Loren J.
APPLICANT: Miraglia; Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
TITLE OF INVENTION: Compositions and Methods for the Modulation of
TITLE OF INVENTION: Activating Protein 1
NUMBER OF SEQUENCES: 138
CORRESPONDENCE ADDRESS:
ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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              FILLING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: Jane Massey Licata
REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: 1SPH-0209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 779-2400
TELEPRAX: (609) 779-2406
TELEFAX: (609) 779-8488
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          OPERATING SYSTEM: PC-DOS
OPERATING SYSTEM: PC-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/837,201B
FILING DATE: April 14, 1997
CLASSIFICATION: 514
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
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REGIETRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-
TELECOMMUNICATION INFORMATION:
TELEPAN: (609) 779-2400
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         627 GGTGCTCTGCGCGCTGCCG 645
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                                                                                                                                                                                                                                       BQUENCE LENGTH: 20
TYPE: Nucleic Acid
TYPE: Single
STRANDEDNESS: Single
TOPOLOGY: Linear
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: Nucleic Acid
STRANDEDNESS: Single
TOPOLOGY: Linear
ANTL-SENSE: Yes
US-08-837-2018-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       COMPUTER: IBM PS/2
  APPLICATION NUMBER:
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TITLE OF INVENTION: Antisense Oligonucleotide
Compositions and Methods for the Modulation of
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  DISKETTE, 3.5 INCH, 1.44 MB STORAGE
                                                                    Best Local Similarity 89.5%; Pred. No. 4.3e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: Law Offices of Jane Massey Licata
STREET: 66 East Main Street
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 15.8; DB 1;
Pred. No. 4.3e+02;
                                                                                                                                                                                                                                                                                                                                                                             Activating Protein 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  COMPUTER: IBM PS/2
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NAMBER: US/09/923,517A
FILING DATE: 07-Aug-2001
CLASSIFICATION: 
Unknown>

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REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0209
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ANTI-SENSE: Yes
; SEQUENCE DESCRIPTION: SEQ ID NO: 100:
US-09-923-517A-100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PRIOR APPLICATION DATA:
RAPLICATION WUMBER: 09/364,416
FILING DATE: 1999-07-30
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                        US-09-923-517A-100; Sequence 100, Application US/09923517A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (609) 810-1515
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TELECOMMUNICATION INFORMATION TELEPHONE: (609) 810-151
                                                                                                                             627 GGTGCTCTGCGCGCTGCCG 645
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STRANDEDNESS: Single
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INFORMATION FOR SEQ ID NO: 100
CEDITION FOR SEQ ID NO: 100
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COMPUTER READABLE FORM:
MEDIUM TYPE: DISKE
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Best Local Similarity 89.5
Matches 17; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CITY: Marlton
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APPLICANT: Nicholas M. Dean, Robert
Miraglia, Brenda F. Baker
TITLE OF INVENTION: Antisense Oligonucleotide
Activating Protein 1
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADDRESSEE: Law Offices of Jane Massey Licata STREET: 66 East Main Street
                                                                                                                                                                                                                                                                                                                                      , OTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-56
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICATION NUMBER: US/09/923,517
FILING DATE: 07-Aug-2001
CLASSIFICATION: <Unknown>
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/364,416
FILING DATE: 1999-07-30
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   COMPUTER: IBM PS/2
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDPERFECT 6.1
CURRENT APPLICATION DATA:
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INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NUMBER OF SEQUENCES: 139
CORRESPONDENCE ADDRESS:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TELEPHONE: (609)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    CITY: Marlton
STATE: NJ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            COUNTRY: USA
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; OTHER INFORMATION: PCR PRIMER FOR SEQUENCE FROM ORYZA SATIVA US-10-266-090-43749
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US-10-266-090-43958
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 20;
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                                   GENERAL INVESTATION:
GENERAL INVESTATION:
APPLICANT: GOFF, STEPHEN
APPLICANT: GOORN, CAROLINE
APPLICANT: COLBERT, MICHELLE
APPLICANT: WANG, RONG-LIN
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
TITLE OF INVENTION: REPEAT WARKERS AND THEIR USES
FILE REPRENCE: NADII.058C1
CURRENT APPLICATION NUMBER: US 10/266,090
CURRENT FILING DATE: 2002-10-03
PRIOR PELICATION NUMBER: US 60/326,117
PRIOR PELICATION NUMBER: US 60/326,117
PRIOR PELICATION NUMBER: US 60/326,117
PRIOR FILING DATE: 2001-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 43749
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GENERAL INFORMATION:
APPLICANT: GOFF, STEHEN
APPLICANT: COLEMET, MICHELLE
APPLICANT: COLEMET, MICHELLE
APPLICANT: WANG, RONG-LIN
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: REPEAT WARKERS AND THEIR USES
FILE REFERENCE: NADII 058C1
CURRENT PILLING DATE: 2002-10-03
PRIOR APPLICATION NUMBER: US 10/266,090
CURRENT FILING DATE: 2002-09-26
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR FILING DATE: 2001-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: PESESEQ for Windows Version 4.0
SEQ ID NO 4958
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Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2;
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2;
Sequence 43749, Application US/10266090
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ORGANISM: Artificial Sequence
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US-10-266-090-44137
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89.5%; Pred. No. 4.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                             Length 20;
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US-10-187-659A-110/C
US-10-187-659A-110/C
US-10-187-659A-110/C
Sequence 110, Application US/10187659A
GENERAL INFORMATION:
APPLICANT: Kenneth W. Dobie
TITLE OF INVENTION: ANTISENSE MODULATION OF P2X4 EXPRESSION
FILE REPERENCE: RTS-0379
CURRENT APPLICATION NUMBER: US/10/187,659A
NUMBER OF SEQ ID NOS: 143
SEQ ID NO 110
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 433
US-10-187-659A-45
i Sequence 45, Application US/10187659A
j GENERAL INFORMATION:
i APPLICANT: Kenneth W. Dobie
j TITLE OF INVENTION: ANTISENSE MODULATION OF P2X4 EXPRESSION
TITLE OF INVENTION: ANTISENSE: US/10/187,659A
j CURRENT APPLICATION NUMBER: US/10/187,659A
j CURRENT FILING DATE: 2002-07-01
j NUMBER OP SEQ ID NOS: 143
j SEQ ID NO 45
j LENGTH: 20
                                                                                                                                                                                                                                                                                          2; Indels
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Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                             ; OTHER INFORMATION: Antisense Oligonucleotide US-09-954-679-28
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                                                                                                                                                                                                                                                                                                                                          1311 CTTCTGCTTCGTCCTGGGG 1329
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CURRENT FILING DATE: 2001-09-12
NUMBER OF SEQ ID NOS: 88
SEQ ID NO 28
LENGTH: 20
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                                                                                                 TYPE: DNA ORGANISM: Artificial Sequence FEATURE:
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Best Local Similarity 89.5
Matches 17; Conservative
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CORGANISM: H. sapiens
US-10-187-659A-110
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US-10-266-090-43749/c
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GENERAL INFORMATION:
BPELICANT: ROSELTAGENOMICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: REGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
CURRENT APPLICATION NUMBER: US/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 8812
LENGTH: 20
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                                                                                                                         Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 MEDIUM TYPE: DISKETTE, 3.5 INCH, 1.44 MB STORAGE
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                                                                                                                         1.0%; Score 15.8; DB 1; 89.5%; Pred. No. 4.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Score 15.8; DB 1;
Pred. No. 4.3e+02;
0; Mismatches 2;
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COMPUTER: IBM PS/2
COMPUTER: IBM PS/2
OPERATING SYSTEM: WINDOWS 95
SOFTWARE: WORDERFECT 6.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/430,196
FILING DATE: OS-May-2003
CLASSIFICATION DATA:
PRIOR APPLICATION DATA:
FILING DATE: US/09/923,517A
FILING DATE: 07-Aug-2001
APPLICATION NUMBER: US/09/924
PILING DATE: 1199-07-30
                                                    OTHER INFORMATION: Antisense Oligonucleotide
                                                                                                                                                                    0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 100, Application US/10430196 GENERAL INFORMATION:
                                                                                                                                                                                                                     381 CATCGCTGGCCTGTGTGTC 399
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ORGANÍSM: Artificial Sequence
FEATURE:
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CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        COMPUTER READABLE FORM:
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Best Local Similarity 89.55
Matches 17; Conservative
                                                                                                                                                Best_Local Similarity 89.5
Matches 17; Conservative
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; ORGANISM: Homo sapiens
US-10-303-778-8812
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US-10-303-778-8812
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                                                           ; OTHER INFORM
US-10-273-070-49
                                                                                                                         Query Match
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GENERAL INFORMATION:
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION
FILE REPERENCE: ANS-0263
CURRENT APPLICATION NUMBER: US/10/272,810
CURRENT FILING DATE: 2002-10-16
NUMBER OF SEQ ID NOS: 89
SEQ ID NO 49
LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF NOTCH (DROSOPHILA) HOMOLOG 4 EXPRESSION
FILE REFERENCE: RTS-0231
CURRENT APPLICATION NUMBER: US/10/273,070
CURRENT FILING DATE: 2002-10-16
SEQ ID NOS: 89
SEQ ID NO 49
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US-10-266-090-44137
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
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                      APPLICANT: GOFF, STEPHEN
APPLICANT: GOFF, CAROLINE
APPLICANT: GOLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: WANG, RONG-LIN
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
FILE REFERENCE: NADII.058C1
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT APPLICATION NUMBER: US 002-10-03
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR PILING DATE: 2002-09-26
PRIOR PILING DATE: 2001-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: PSELSEQ for Windows Version 4.0
SEQ ID NO 44137
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 4.38+02;
Matches 17; Conservative 0; Mismatches 2;
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ORGANISM: Artificial Sequence
FEATURE:
JOTTER INFORMATION: Antisense Oligonucleotide
US-10-272-810-49
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ORGANISM: Artificial Sequence
       GENERAL INFORMATION:
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GENERAL INFORMATION:
Sequence 50130, Application PC/TUS0400035
GENERAL INFORMATION:
APPLICANT: Wyell
APPLICANT: Watthez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Law, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
TOWNERN FILING DATE: 2004-01-06
PRIOR PAPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PATERIL VERSION 3.2
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APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Martinez, Robert
APPLICANT: Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: COMPOSITIONS
FILE REFERENCE: AM100927 (01996-002000)
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT FILING DATE: 2004-01-06
PRIOR PRILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin Version 3.2
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                                                                                                                                               Length 21;
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1.0%; Score 15.8; DB 1; Length 2
Best Local Similarity 47.4%; Pred. No. 4.5e+02;
Matches 9; Conservative 8; Mismatches 2; Indels
                                                                                                                                               1.0%; Score 15.8; DB 1;
89.5%; Pred. No. 4.5e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 50133, Application PC/TUS0400035; GENERAL INFORMATION:
                                                                                                                                                                                                                                                     1423 GTGCTGATGTGGACCATGC 1441
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Best Local Similarity 89.51
Matches 17; Conservative
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Matches 9; Conservative
                                                 TYPE: DNA ORGANISM: homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                     PCT-US04-00035-50130
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PCT-US04-00035-50133
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                                                                              ORGANISM: RNAi
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LENGTH: 21
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SEQ ID NO 9046
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OP INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT APPLICATION NUMBER: 2004-01-29
PRIOR FILING DATE: 2004-07-30
PRIOR FILING DATE: 2001-07-30
SEQ ID NOS: 65
SEQ ID NO 56
LENGTH: 20
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APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
CURRENT APPLICATION NUMBER: PCT/US04/00035
CURRENT FILING DATE: 2004-01-06
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
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1.0%; Score 15.8; DB 1; Length 20;
Best Local Similarity 89.5%; Pred. No. 4.3e+02;
Matches 17; Conservative 0; Mismatches 2; Indels
                  REGISTRATION NUMBER: 32,257
REFERENCE/DOCKET NUMBER: ISPH-0209
TELECOMMUNICATION INFORMATION:
TELEPHONE: (609) 810-1515
TELEFAX: (609) 810-1454
INFORMATION FOR SEQ ID NO: 100:
SEQUENCE CHARACTERISTICS:
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-484-441-56
                                                                                                                                                                                                                                                                                                                            SEQUENCE DESCRIPTION: SEQ ID NO: 100:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 9046, Application PC/TUS0400035 GENERAL INFORMATION:
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NAME: Jane Massey Licata
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        627 GGTGCTCTGCGCGCTGCCG 645
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 GATGCTCTGCGCTCTGCCG 20
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                                                                                                                                                                                                                           TYPE: Nucleic Acid
STRANDEDNESS: Single
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                                                                                                                                                                                                                                                                               TOPOLOGY: Linear
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NUMBER OF SEQ ID NOS: 1291
SOFTWARE: FastSEQ for Windows Version 4.0
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US-10-184-085A-1032/c
; Sequence 1032, Application US/10184085A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 8, Application US/09786926B GENERAL INFORMATION:
                                                                                                                 ; OTHER INFORMATION: oligonucleotide US-09-754-468-96
                                                                                                                                                                                                                                                              711 TAGGTTCCTGATGAAAGC 729
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             814 CTCTACTTCCTCTTGGC 832
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                                                                                                                                                                                                                                                                                                       19 TAGGCTCATGATGAAAGC 1
                                  LENGTH: 21
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Best Local Similarity 89.5%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
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Best Local Similarity 89.5%;
Matches 17; Conservative
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US-09-786-926B-8/c
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LENGTH: 21
SEQ ID NO 96
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TITLE OF INVENTION: Antisense Antibacterial Cell Division TITLE OF INVENTION: Composition and Method FILE REPERENCE: 0450-0033.30
CURRENT APPLICATION NUMBER: US/09/754,468
CURRENT FILING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: US 60/174,484
                                                                                                                                                                                                                                                                                                                                              ADDRESSEE: HAMILTON, BROOK, SMITH & REYNOLDS, P.C. STREET: Two Militia Drive
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 89.5%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      MELLA COMPUTER: IBM COMPACIONO COMPUTER: IBM COMPACE SOFTWARE: FASTEN Windows 95
SOFTWARE: FASTEN FAPTICATION DATA:
APPLICATION NUMBER: US/08/965,620
FILING DATE: 06-NOV-1997
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            32,227
FR: WHI96-10pA (DUP)
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SOFTWARE: PastSEQ for Windows Version 4.0
                                                                                                                                                                                                                 APPLICANT: Lander, Eric S.
APPLICANT: Wang, David
APPLICANT: Wang, David
TITLE OF INVENTION: Biallelic Markers
NUMBER OF SEQUENCES: 3817
CORRESPONDENCE ADDRESS:
                                                                                                                                                                               Sequence 242, Application US/08965620 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         PRIOR APPLICATION DATA:
APPLICATION NUMBER: 60/030,455
FILING DATE: 06-NOV-1996
ATTORNEY/AGENT INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 96, Application US/09754468
                                                         1 UUCCUCUACUUCCACUUCU 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            REGISTRATION NUMBER: 32,227
REFERENCE/DOCKET NUMBER: WH
TELECOMMUNICATION INFORMATION:
TELEPHONE: 781-861-6240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        INFORMATION FOR SEQ ID NO: 242:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                     COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
COMPUTER: IBM Compatible
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Granahan, Patricia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE CHARACTERISTICS:
LENGTH: 21 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 linear
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                                                                                                                                                              US-08-965-620-242/c
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and use of same
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APPLICANT: Garner, Harold R.
APPLICANT: Minna, John D.
APPLICANT: Luebke, Kevin, J.
APPLICANT: Balog, Robert P.
APPLICANT: Balog, Robert P.
APPLICANT: Balog, Robert P.
TITLE OF INVENTION: Identification of Chemically Modified Polymers
FILE REFERENCE: 119929-1035
CURRENT APPLICATION NUMBER: US/10/184,085A
CURRENT PILING DATE: 2002-10-01
PRIOR FILING DATE: 2001-06-27
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  Length 21;
                                                                                                                                                                                                                                                                                                                              APPLICANT: Max-Delbruck-Centrum fur Molekulare Medizin
TITLE OF INVENTION: Human and murine G-protein coupled
TITLE OF INVENTION: Human and murine G-protein coupled
TITLE OF INVENTION: (endothelial differentiation gene) and
FILE REFERENCE: 103130-3
CURRENT APPLICATION NUMBER: US/09/786,926B
CURRENT FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: DE 198 43 240.2
PRIOR FILING DATE: 1998-09-11
PRIOR APPLICATION NUMBER: PCT/DE 99/02871
PRIOR APPLICATION NUMBER: PCT/DE 99/02871
PRIOR APPLICATION NUMBER: PCT/DE 99/02871
PRIOR FILING DATE: 1999-09-10
NUMBER OF SEQ ID NOS: 16
SEQ ID NO 8
LENGTH: 21
                                                        2; Indels
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; OTHER INFORMATION: Sequence of PCR Primer 5'hGSP1
US-09-786-926B-8
Score 15.8; DB 1;
Pred. No. 4.5e+02;
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Pred. No. 4.5e+02;
                                                      0; Mismatches
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APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
THE REFERENCE: MAIOST (031896-002000)
CURRENT FILING DATE: 2003-01-06
PRIOR APPLICATION NUMBER: US Provisional Application 60/438,000
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: Patentin version 3.2
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APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TOTAL APPLICATION NUMBER: US/10/751,736
CURRENT FILING DATE: 2003-01-06
PRIOR PILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PatentIn version 3.2
SEQ ID NO 50130
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             TITLE OF INVENTION: Single Nucleotide Polymorphism Markers in the Bovine TITLE OF INVENTION: Single Nucleotide Polymorphism Markers in the Bovine TITLE OF INVENTION: CAPNI Gene to Identify Meat Tenderness FILE REPRENCE: 0103.03 - Timothy P. Smith et al. CURRENT APPLICATION NUMBER: US/10/739,904

CURRENT PILING DATE: 2003-12-18

NUMBER OF SEQ ID NOS: 98

SEGTMARE: Patentin Ver. 2.1

SEQ ID NO 29

LENGTH: 21
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89.5%; Pred. No. 4.5e+02;
vative 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 89.59
Watches 17; Conservative
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CASAS, Eduardo
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US-10-751-736-9046
                                                                                                                                                                                                                                                                                                                                     TYPE: DNA ORGANISM: Bos taurus
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US-10-751-736-50130
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US-10-751-736-9046
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LENGTH: 21
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GENERAL INFORMATION:
SPECIAL SECURIOR SECURI
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GENERAL INFORMATION:
APPLICANT: Garner, Harold R.
APPLICANT: Garner, Harold R.
APPLICANT: Minna, John D.
APPLICANT: Balog, Robert P.
TITLE OF INVENTION: Identification of Chemically Modified Polymers
FILE REPRENCE: 119929-1035
CURRENT APPLICATION NUMBER: US/10/184,085A
CURRENT APPLICATION NUMBER: US 60/301,370
PRIOR FILING DATE: 2002-10-01
PRIOR FILING DATE: 2001-06-27
NUMBER OF SEQ ID NOS: 1291
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 1069
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                               Query Match 1.0%; Score 15.8; DB 1; Length 21; Best Local Similarity 89.5%; Pred. No. 4.5e+02; Matches 17; Conservative 0; Mismatches 2; Indels
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1.0%; Score 15.8; DB 1;
Best Local Similarity 89.5%; Pred. No. 4.5e+02;
Matches 17; Conservative 0; Mismatches 2;
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Pred. No. 4.5e+02;
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US-10-739-904-29/c
Sequence 29, Application US/10739904
; GENERAL INFORMATION:
                                                                                                                                                                      432 TGATGAGGCAGGCTGCTG 450
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Local Similarity 89.5%;
nes 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: DNA ORGANISM: Homo sapiens
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US-10-310-188-60936
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US-10-184-085A-1069/c
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Best Local S
Matches 17
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ABPLICANT: Weth September 11585, Application US/10770726
; Sequence 11585, Application US/10770726
; Sequence 11585, Application US/10770726
; GENERAL INFORMATION:
APPLICANT: Weth Second, Eugene
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING;
TITLE OF INVENTION: CANCERS
; TITLE OF INVENTION: CANCERS
; TITLE OF INVENTION UNMBER: US/10/770,726
; CURRENT APPLICATION NUMBER: US/10/770,726
; UNMBER OF SEQ ID NOS: 48640
; SOSTWARES PALENTIN Version 3.2
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US-10-770-726-40526
Sequence 40526, Application US/10770726
Sequence 40526, Application US/10770726
GENERAL INFORMATION:
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
TITLE OF INVENTION: CANCERS
CURRENT APPLICATION UNMBER: US/10/770,726
CURRENT APPLICATION UNMBER: US/10/770,726
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Sequence 16, Application US/10861108
GENERAL INFORMATION:
APPLICANT: Kay, Mark A.
TITLE OF INVENTION: Shehen
TITLE OF INVENTION: System and Methods for Using the Same
FILE: REFERENCE: STAN-307
CURRENT APPLICATION NUMBER: US/10/861,108
CURRENT PILLING DATE: 2004-06-03
PRIOR APPLICATION NUMBER: 60/476,266
PRIOR FILING DATE: 2003-06-04
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Pred. No. 4.5e+02;
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Pred. No. 4.5e+02;
0; Mismatches 2;
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SOFTWARE: PatentIn version 3.2
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Best Local Similarity 89.5%;
Matches 17; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 89.5%;
Matches 17; Conservative
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US-10-770-726-11585
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LENGTH: 21
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LENGTH: 21
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APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
APPLICANT: Liu, Wei
TITLE OP INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING, PREVENTING, AND TREATING
TITLE OP INVENTION: CANCERS
FILE REFERENCE: AMAIOT9 (031896-010000)
CURRENT APPLICATION NUMBER: US/10/770,726
CURRENT FILING DATE: 2004-02-04
NUMBER OF SEQ ID NOS: 48640
SOFTWARE: Patentin version 3.2
SEQ ID NO 5072
LENGTH: 21
                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Martinez, Robert
APPLICANT: Brown, Eugene
APPLICANT: Brown, Eugene
APPLICANT: Liu, Wei
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR DIAGNOSING AND TREATING COLON
TITLE OF INVENTION: CANCERS
FILE REPERENCE: AMIO0927 (031896-002000)
CURRENT APPLICATION NUMBER: US/10/751,736
CURRENT APPLICATION NUMBER: US/10/751,736
PRIOR FILING DATE: 2003-01-06
PRIOR FILING DATE: 2003-01-06
NUMBER OF SEQ ID NOS: 54873
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 50133
LENGTH: 21
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Pred, No. 4.5e+02;
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Pred. No. 4.5e+02;
                                                                                                           1.0%; Score 15.8; DB 1; Length 21; 47.4%; Pred. No. 4.5e+02;
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0; Mismatches 2
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GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 47.4%;
Matches 9; Conservative E
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Best Local Similarity 89.5%;
Matches 17; Conservative
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CORGANISM: Homo sapiens
US-10-770-726-5072
                                                                                                        Query Match
Best Local Similarity
Matches 9; Conserv
; LENGTH: 21
; TYPE: RNA
; ORGANISM: RNAi
US-10-751-736-50130
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; ORGANISM: RNAi
US-10-751-736-50133
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Sequence 4789, Application PC/TUS0216840A

Sequence 4789, Application PC/TUS0216840A

GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McGwiggen, James
TITLE OF INVENTION: NACA; HERZ and HIV
FILE OF INVENTION: RAS, HERZ and HIV
FILE REFERENCE: 400/046 (MBHB02-326)
CURRENT APPLICATION NUMBER: PCT/US02/16840A
CURRENT APPLICATION NUMBER: US 60/318,471
PRIOR APPLICATION NUMBER: US 60/296,249
PRIOR PILING DATE: 2001-05-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2010-06-06
PRIOR FILI
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APPLICANT: Sandberg, Jennifer
APPLICANT: Sandberg, Jennifer
APPLICANT: Sandberg, Jennifer
APPLICANT: Gardon, Galad
APPLICANT: Gardon, Galad
APPLICANT: Gradon, Galad
APPLICANT: Gradon, Galad
APPLICANT: Gradon, Galad
APPLICANT: Gradon, James
APPLICANT: Gradon, Jenne
APPLICANT: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTY
TITLE OF INVENTION: NUCLEIC ACID BASED MODULATION OF ANGIOGENESIS RELATED DISEASES AND (
FILE REFERENCE: 400/047 (02-325)
FRIOR REPLICATION NUMBER: US 60/005, 974
PRIOR PLLING DATE: 1995-10-26
PRIOR PLLING DATE: 1995-10-26
PRIOR PLLING DATE: 1999-08-10
PRIOR PLLING DATE: 2001-11-07
PRIOR PLLING DATE: 2001-11-07
PRIOR PLLING DATE: 2001-10-29
PRIOR PLLING DATE: 2001-11-30
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       Mismatches
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GENERAL INFORMATION:
APPLICANT: Fibozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pamela
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                                                                                 668 AGCTCCCGCCGCCTCC 684
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SOFTWARE: PatentIn version 3.0
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       16; Conservative
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PCT-US02-16840A-4789
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PCT-US02-17674-3487
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LENGTH: 17
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Level
TITLE OF INVENTION: RAS, HERZ and HIV
FILE REPERBNCE: 400/046 (MBHB02-326)
CURRENT APPLICATION NUMBER: PC7/US02/16840
CURRENT APPLICATION NUMBER: US 60/318,471
PRIOR FILING DATE: 2001-09-10
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-06-06
PRIOR FILING DATE: 2001-05-29
NUMBER OF SEQ ID NOS: 6810
SOFTWARE: Patentin version 3.0
SEQ ID NO 4789
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GENERAL INFORMATION:
APPLICANT: Jayasena, Sumedha
APPLICANT: Sichardson, Christopher Donald
TITLE OF INVENTION: SHORT INTERFERING RNA AS AN ANTIVIRAL AGENT FOR HEPATITIS C
FILE REFERENCE: A-835
CURRENT APPLICATION NUMBER: US/10/897,648
CURRENT FILING DATE: 2004-07-22
PRIOR PILING DATE: 2003-07-25
PRIOR FILING DATE: 2003-07-25
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NUMBER OF SEQ ID NOS: 17
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 16
LENGTH: 21
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        462 CCTACTGATCTTCAGCTTC 480
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94.1%;
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SOFTWARE: Patentin version 3.2
SEQ ID NO 8
LENGTH: 21
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Matches 17; Conservative
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US-10-897-648-8
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Best Local Similarity
                                                                                                                                                  TYPE: DNA
CRGANISM: salmonid
US-10-861-108-16
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US-10-897-648-8
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APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-876-K (400/021)
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APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Bharat
APPLICANT: Chowrira, Jim
APPLICANT: StinchComb, Jim
APPLICANT: StinchComb, Dan
TITLE OF INVENTION: Method and Reagent for the Inhibition of Telomerase Enzyme
FILE REPERENCE: MRH800-882-C (400/019)
CURRENT APPLICATION NUMBER: 60/197,769
FRIOR APPLICATION NUMBER: 60/197,769
PRIOR FILING DATE: 2000-04-14
PRIOR PILING DATE: 1999-08-31
NUMBER OF SEQ ID NOS: 5586
SOFTWARE: Patentin version 3.0
SEQ ID NO 2333
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70.6%; Pred. No. 4.1e+02;
tive 4; Mismatches 1;
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Best Local Similarity 64.7%; Pred. No. 4.18+02;
Matches 11; Conservative 5; Mismatches 1;
PRIOR APPLICATION NUMBER: US 08/008,895
PRIOR FILING DATE: 1993-01-19
PRIOR APPLICATION NUMBER: US 07/989,849
PRIOR FILING DATE: 1992-12-07
PRIOR FILING DATE: 1992-09-27
PRIOR PILING DATE: 1999-09-09-09
PRIOR PILING DATE: 1997-06-19
PRIOR PILING DATE: 1997-06-19
PRIOR PILING DATE: 1997-06-19
PRIOR FILING DATE: 1997-06-19
PRIOR FILING DATE: 1997-06-19
NUMBER OF SEQ ID NOS: 2897
SOFTWARE: PatentIn version 3.0
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; Sequence 1579, Application US/09685664B
; GENERAL INFORMATION:
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; GENERAL INFORMATION:
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Best Local Similarity 70.61
Matches 12; Conservative
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APPLICANT: McSwiggen, Jim
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ORGANISM: Homo sapiens
US-09-532-5378-676
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ORGANISM: Homo Bapiens
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
ITILE OF INVENTION: Enzymatic Nucleic Acid Mediated Inihibition of Protein Kinase C-a TITLE OF INVENTION: Gene Expression
FILLE OF TILLE OF DATE: 1994-04-A (2496, 849
FRIOR FILLING DATE: 1994-08-17
FRIOR FILLING DATE: 1994-08-17
FRIOR FILLING DATE: 1995-12-07
FRIOR FILLING DATE: 1995-12-07
FRIOR FILLING DATE: 1995-09-27
FRIOR FILLING DATE: 1999-09-27
FRIOR FILLING DATE: 
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GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: Braymetic Nucleic Acid Mediated Inihibition of Protein Kinase C-a TITLE OF INVENTION: Gene Expression
FILE REFERENCE: MBHB00-945-A (249/004)
CURRENT APPLICATION NUMBER: US/09/532,537B
CURRENT PILING DATE: 1998-05-01
PRIOR PPLICATION NUMBER: US 09/071,845
PRIOR PLILING DATE: 1998-05-01
PRIOR APPLICATION NUMBER: US 09/498,824
PRIOR APPLICATION NUMBER: US 09/498,824
PRIOR APPLICATION NUMBER: US 08/292,620
PRIOR PLILING DATE: 1994-08-17
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                                                                                                                                                                                                                                           3; Mismatches
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                                                                                                                                                                       Query Match
Best Local Similarity 76.5
Matches 13; Conservative
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Matches 12; Conservative
                                TYPE: RNA
ORGANISM: Homo Sapiens
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   LENGTH: 17
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APPLICANT: Struckout; rauco, raum;
APPLICANT: Struckout, Jun
APPLICANT: Struckout, Dan
APPLICANT: Struckout, Dan
APPLICANT: Struckout, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION NUMBER: US 09/005, 974
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371, 772
PRIOR APPLICATION NUMBER: US 09/371, 772
PRIOR PELING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 2000-10-10
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TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
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                              FILE REFERENCE: MBHB00,876-L (400/002)
CURRENT APPLICATION NUMBER: US/09/708,690
CURRENT FILING DATE: 2001-08-31
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR PILING DATE: 1999-08-10
PRIOR PILING DATE: 1999-08-10
PRIOR FILING DATE: 2000-10-10
NUMBER OF SEQ ID NOS: 20828
SEQ ID NO 6203
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US-09-825-805-349/c
; Sequence 349, Application US/09825805
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Best Local Similarity 76.5
Matches 13; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
CORGANISM: Homo sapiens
US-09-708-690-6203
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Best Local Similarity
Matches 16; Conserval
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APPLICANT: Bavco, Pam
APPLICANT: Bavco, Pam
APPLICANT: Broched, Jim
APPLICANT: Stinchomb, Dan
APPLICANT: Stinchomb, Dan
APPLICANT: Stinchomb, Dan
APPLICANT: Brobedo, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHBO0,876-L (400/002)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1996-10-26
PRIOR FILING DATE: 1996-10-108
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1996-01-08
PRIOR FILING DATE: 1999-08-10
PRIOR PILING DATE: 2000-10-10
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Pavco, Pam
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
APPLICANT: Escobedo, Jaime
APPLICANT: StrichCondb, Dan
APPLICANT: StrichCondb, Dan
APPLICANT: Recobedo, Jaime
APPLICANT: StrichCondb, Jaime
APPLICANT: Method and Reagent for the Treatment of Diseases or Conditions Re
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1.0%; Score 15.4; DB 1; Length 17;
Best Local Similarity 94.1%; Pred. No. 4.1e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 15.4; DB 1; Length 17;
Pred. No. 4.1e+02;
0; Mismatches 1; Indels
               CURRENT FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
PRIOR PELING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR PILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTWARE: Patentin version 3.0
SEQ ID NO 1579
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GENERAL INFORMATION:
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Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
CORGANISM: Homo sapiens
US-09-685-664B-1579
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US-09-708-690-1579
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US-09-708-690-6203/c
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APPLICANT: Favor, rain APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: APPLICANT: Stinchcomb, Dan APPLICANTON: Method and Reagent for the Treatment of Diseases or Conditions Rel TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor TITLE OF INVENTION: MANBER: US/09/870,161
CURRENT APPLICATION NUMBER: US/09/870,161
CURRENT FILING DATE: 2001-08-27
SOFTWARE: Patentin version 3.0
SEQ ID NO 6203
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: MCSWiggen, Jim
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE APPLICATION NUMBER: US/09/870,161
CURRENT APPLICATION NUMBER: 2001-08-27
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TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
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Pred. No. 4.1e+02;
3; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match 1.0%; Score 15.4; DB 1; Best Local Similarity 94.1%; Pred. No. 4.1e+02; Matches 16; Conservative 0; Mismatches 1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
                                            Sequence 6203, Application US/09870161
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Pavco, Pam
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76.5%;
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SOFTWARE: PatentIn version 3.0
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APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
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Best Local Similarity 76.5
Matches 13, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-870-161-6203
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ORGANISM: Homo sapiens
                      US-09-870-161-6203/c
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                                                          APPLICANT: Beauury, Amera,
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Adamic, Jasenka Matulic
APPLICANT: Sweedler, Dave
APPLICANTON: NUMBER: US/09/825,805
CURRENT FILING DATE: 2001-09-27
PRIOR FILING DATE: 1999-12-30
PRIOR PLICATION NUMBER: 09/474,432
PRIOR PLICATION NUMBER: 09/474,432
PRIOR FILING DATE: 1999-12-30
PRIOR FILING DATE: 1999-12-30
PRIOR FILING DATE: 1999-12-30
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-28
PRIOR FILING DATE: 1999-04-29
PRIOR PLICATION NUMBER: 60/083,727
PRIOR FILING DATE: 1998-04-29
PRIOR FILING DATE: 1999-11-04
PRIOR FILING DATE: 1999-11-05
NUMBER OF SEQ ID NOS: 1558
SOFTWARE: Patentin version 3.0
SEQ ID NO 499
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APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Bavco, Pam
APPLICANT: Stinchcomb, Dan
APPLICANT: Baccobedo, Jaine
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US/09/870,161
CURRENT FILING DATE: 2001-08-27
NUMBER OF SEQ ID NOS: 20821
SOFTWARE: PatentIn version 3.0
SEQ ID NO 1579
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Pred. No. 4.1e+02;
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bozyme Pharmaceuticals, Inc.
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l Similarity 94.1%;
16; Conservative (
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Matches 16; Conservative
                         Beigelman, Leo
                                                  Beaudry, Amber
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-09-825-805-349
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ORGANISM: Homo sapiens
US-09-870-161-1579
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Best Local Similarity
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WS-10-138-674A-1579/c

Sequence 1579, Application US/10138674A

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Rabozyme Pharmaceuticals, Inc.
APPLICANT: Rabozyme Dam
APPLICANT: Rabozyme Dam
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20826

SOFTWARE PAGENCE PAGENCE DATE: PAGENCE DA
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Sequence 6203, Application US/10138674A

GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Makingan, Jim
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674A
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20826
SOSTWARE PATENTING PATE: DATE: DATE:
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                                                               Length 17;
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                                                          1.0%; Score 15.4; DB 1;
76.5%; Pred. No. 4.1e+02;
iive 3; Mismatches 1;
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                                                               Query Match
Best Local Similarity 76.5
Matches 13; Conservative
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US-10-138-674A-1579
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ORGANISM: Homo sapiens
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Best Local Similarity
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Rawiggen, Jim
APPLICANT: Bavco, Pam
APPLICANT: Bavco, Dan
APPLICANT: Brobedo, Jaime
APPLICANT: Brobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT PILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOPTWARE: PatentIn version 3.0
LENGTH. 17 DO 8446
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APPLICANT: Garden, Jim
APPLICANT: StinchComb, Jam
APPLICANT: StinchComb, Jam
APPLICANT: StinchComb, Dam
APPLICANT: StinchComb, Dam
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: PatentIn version 3.0
SEQ ID NO 6203
LENGTH: 17
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TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor FILE REFREENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 1579
LENGTH: 17
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Sequence 6203, Application US/10138674;
SERMAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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; ORGANISM: Homo sapiens
US-10-138-674-1579
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CORGANISM: Homo sapiens
US-10-138-674-6203
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ORGANISM: Homo sapiens
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APPLICANT: Pavco, Pam
APPLICANT: Bavco, Pam
APPLICANT: McSwiggen, James
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re]
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REPERBORE: MBHBO0-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/138,674B
NUMBER OF SEQ ID NOS: 2002-05-03
NUMBER OF SEQ ID NOS: 2002-05-03
SOFTWARE: Patentin version 3.0
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: HER2
FITLE OF INVENTION: HER2
FILE REFERENCE: MBHB01-1653-A (400/014)
CURRENT APPLICATION NUMBER: US/10/163,552
NUMBER OF SEQ ID NOS: 1997
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
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Pred. No. 4.1e+02;
0; Mismatches 1;
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1.0%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 4.1e+02;
Matches 16; Conservative 0; Mismatches 1;
CURÉRNT APPLICATION NUMBER: US/10/138,674B
CURRENT FILING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20829
SEQ TWARE: Patentin version 3.0
SEQ ID NO 6203
LENGTH: 17
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Sequence 8446, Application US/10138674B
GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Best Local Similarity 76.55
Matches 13; Conservative
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; ORGANISM: Homo sapiens
US-10-163-552-134
                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-138-674B-6203
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US-10-163-552-134/c
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Sequence 1579 Application US/10138674B

Sequence 1579 Application US/10138674B

GENERAL INFORMATION:
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Binchcomb, James
APPLICANT: Stinchcomb, James
APPLICANT: Binchcomb, James
APPLICANT: Stinchcomb, James
APPLICANT: Stinchcomb, James
APPLICANT: Binchcomb, James
APPLICANT: Scobedo, James
APPLICANT: Binchcomb, James
APPLICANT: Stinchcomb, James
APPLICANT: Stinchco
                                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Bavco, Pam
APPLICANT: Brinchcomb, Jum
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
TITLE OF INVENTION: MENDERS US/10/138, 674A
CURRENT PLING DATE: 2002-05-03
NUMBER OF SEQ ID NOS: 20826
SSC TWARE: Patentin Version 3.0
SEQ ID NO 8446
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APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      y Match 1.0%; Score 15.4; DB 1; Length 17; Local Similarity 76.5%; Pred. No. 4.1e+02; hes 13; Conservative 3; Mismatches 1; Indels
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Pred. No. 4.1e+02;
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US-10-138-6748-6203/c
) Sequence 6203, Application US/10138674B
) GENERAL INFORMATION:
) APPLICANT: Sirna Therapeutics, Inc.
) APPLICANT: Pavco, Pam
                                              Sequence 8446, Application US/10138674A
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Local Similarity 94.1%;
nes 16; Conservative
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; ORGANISM: Homo sapiens
US-10-138-674A-8446
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ORGANISM: Homo sapiens
                                                                                     GENERAL INFORMATION:
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Best Local S
Matches 16
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APPLICANY: MIDOZYME TAILMIGNET LIALMIGNET LIALMIGNET LIALMIGNET SANDERGY, Jennifer
APPLICANY: Sandberg, Jennifer
APPLICANY: Sandberg, Jennifer
APPLICANY: Gordon, Gilad
APPLICANY: Gordon, Gilad
APPLICANY: Stinchcomb, Dan
TITLE OF INVENTION: NUCLEIC ALID BASED MODULATION OF VASCULAR ENDOTHELIAL GROWTH FACTY
TITLE OF INVENTION: RECEPTOR FOR THE TREATMENT OF ANGIOGENESIS RELATED DISEASES AND (
FILE REFERENCE: MBHB02-325PCT (400/047)
CURRENT APPLICATION NUMBER: US 60/005,974
PRIOR APPLICATION NUMBER: US 09/51-11-3
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 1999-08-10
PRIOR FILING DATE: 2000-11-30
PRIOR FILING DATE: 2001-13-30
PRIOR FILING DATE: 2001-13-30
PRIOR FILING DATE: 2001-13-30
PRIOR FILING DATE: 2001-13-30
PRIOR PRIOR APPLICATION NUMBER: US 60/334,461
PRIOR FILING DATE: 2001-13-30
PRIOR PRIOR APPLICATION NUMBER: US 10/138,674
PRIOR FILING DATE: 2001-13-30
PRIOR FILING DATE: 2001-13-30
PRIOR PRIOR PRIOR APPLICATION NUMBER: US 10/138,674
PRIOR FILING DATE: 2001-13-30
PRIOR PRIOR PRIOR PRIOR DATE: 2001-13-30
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PRIOR PRIUM DATE: 2001-13-30
PRIOR PRIUM DATE: 2001-13-30
P
                APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaine
APPLICANT: Escobedo, Jaine
TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Rel
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT FILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARES: Patentin version 3.0
SEQ ID NO 8446
LENGTH: 17
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76.5%; Pred. No. 4.1e+02;
iive 3; Mismatches 1;
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1 Similarity 76.5%; Pred. No. 4.1e+02;
13; Conservative 3; Mismatches 1;
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
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Best Local Similarity 76.5
Matches 13; Conservative
McSwiggen, Jim
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; ORGANISM: Homo Sapiens
US-10-712-633-3487
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US-10-712-672-2333
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Best Local 3
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                                                                                                                           US-10-287-949A-1579/c
US-10-287-949A-1579/c
i Sequence 1579, Application US/10287949A
i GENERAL INFORMATION:
   APPLICANT: Ribozyme Pharmaceuticals, Inc.
   APPLICANT: Roswiggen, Jim
   APPLICANT: Stinchomb, Dan
   APPLICANT: Stinchomb, Dan
   APPLICANT: Broobedo, Jaime
   APPLICANT: Broobedo, Jaime
   APPLICANT: Broobedo, Jaime
   APPLICANT: Broobedo, Jaime
   TITLE OF INVENTION: Method and Reagent for the Treatment of Diseases or Conditions Re
   TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
   TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
   CURRENT APPLICATION NUMBER: US/10/287,949A
   CURRENT FILING DATE: 2003-04-11
   NUMBER OF SEQ ID NOS: 20822
   SOFFWARE: PatentIn version 3.0
   SEQ ID NO 1579
   LENGTH: 17
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US-10-287-949A-6203/C
Sequence 6203, Application US/10287949A
Sequence 6203, Application US/10287949A
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Barcobed, Jaime
APPLICANT: Stinchcomb, Dam
APPLICANT: Bacobed, Jaime
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Receptor
FILE REFERENCE: MBHB00-876-N (400/049)
CURRENT APPLICATION NUMBER: US/10/287,949A
CURRENT PILING DATE: 2003-04-11
NUMBER OF SEQ ID NOS: 20822
SOFTWARE: Patentin version 3.0
SEQ ID NO 6203
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; GENERAL INFORMATION:
APPLICANT: Pavco, Pam
APPLICANT: Pavco, Pam
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   668 AGCTCCGCCGGCCTCC 684
                                                               17 AGCTCCCGCAGGCCTCC 1
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Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-287-949A-1579
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ORGANISM: Homo sapiens
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Matches 16; Conserv
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US-10-287-949A-8446
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APPLICANT: SHANNOW, Mark

ITTLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART ANI
FILE REPERRICE: PB0105

CURRENT PERERRICE: PB0105

CURRENT PELLOATION NUMBER: US/10/723,361

CURRENT PELLOATION NUMBER: US 09/866,108

PRIOR PELLOATION NUMBER: US 09/866,108

PRIOR PILING DATE: 2000-05-25

PRIOR PELLOATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2000-05-26

PRIOR PELLOATION NUMBER: US 60/207,456

PRIOR PELLOATION NUMBER: US 60/207,456

PRIOR PELLOATION NUMBER: US 60/207,666

PRIOR PELLOATION NUMBER: PCT/US01/00666

PRIOR PELLOATION NUMBER: PCT/US01/00667

PRIOR PELLOATION NUMBER: PCT/US01/00667

PRIOR PELLOATION NUMBER: PCT/US01/00669

PRIOR PELLING DATE: 2001-01-30

PRIOR PELLING DATE: 2001-01-
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                                                                                                                                              Score 15.4; DB 1;
Pred. No. 4.1e+02;
0; Mismatches 1;
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94.1%; Pred. No. 4.1e+02;
cive 0; Mismatches 1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 6626, Application US/10723361
GENERAL INFORMATION:
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                                                                                                                                                  Query Match 1.0%; Sc
Best Local Similarity 94.1%; Pr
Matches 16; Conservative 0;
                                                                                                                                                                                                                                                                                         21 TCTGCGTCTGCAGAGGA 37
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Best Local Similarity 94.1
Matches 16; Conservative
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CRGANISM: Homo sapiens
US-10-723-361-6626
TYPE: DAA
ORGANISM: Homo sapiens
US-10-723-361-6625
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APPLICANT: GU, Yizhong
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APPLICANT: CHEN, WENERANGY

TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE OF INVENTION: HUMBER: US/10/723,361

CURRENT APPLICATION NUMBER: US/866,108

PRIOR APPLICATION NUMBER: US 60/207,456

PRIOR PILING DATE: 2001-05-26

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2000-10-04

PRIOR PLING DATE: 2001-03-27

PRIOR PLING DATE: 2001-01-30

PRIOR PLING DATE: 2001-01-30
                                                                                                      APPLICANT: Chowaira, Bharach APPLICANT: Chowaira, Bharach APPLICANT: Acswiggen, Jim APPLICANT: Stinchomb, Dan APPLICANT: Stinchomb, Dan Still Bharach APPLICANT: Stinchomb, Dan Still Bharach APPLICANT: Still Bharach APPLICANTION: Method and Reagent for the Inhibition of Telomerase Enzyme; TILE OF INVENTION: MUMBER: US/10/712,672 CURRENT APPLICATION NUMBER: US/09/653,225 PRIOR PLING DATE: 2000-08-31 PRIOR PLING DATE: 2000-04-14 PRIOR APPLICATION NUMBER: 60/150,713 PRIOR FILING DATE: 1999-08-31 PRIOR FILING DATE: 1999-08-31 NUMBER OF SEQ ID NOS: 5586 SOFTWARE: Patentin version 3.0 SSQ ID NO 2333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ö
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1.0%; Score 15.4; DB 1; Length 17; 64.7%; Pred. No. 4.1e+02; tive 5; Mismatches 1; Indels
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SEQ ID NO 6625
LENGTH: 17
                                                                            APPLICANT: Ribozyme Pharmaceuticals, Inc
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GENERAL INFORMATION:
       Application US/10712672
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APPLICANT: JI, Yonggang
APPLICANT: PENN, Sharron G.
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: CHEN, Wensheng
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA; ORGANISM: Homo Bapiens
US-10-712-672-2333
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Grantania Promyarior, James Jenstrania Therapeutics, Inc. APPLICANT: Sirna Therapeutics, Inc. APPLICANT: McSwiggen, James Jenstrania Therapeutics, Inc. APPLICANT: McSwiggen, James Jenstrania TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels TITLE OF INVENTION: Nucleic Acid Treatment of Diseases or Conditions Related to Levels TITLE OF INVENTION: Nucleic 1206-1326-A) CURRENT PELICATION NUMBER: US/10/724,270 CURRENT PILING DATE: 2003-01-10 PRIOR PILING DATE: 2002-05-29 PRIOR PELICATION NUMBER: US 60/236,249 PRIOR PILING DATE: 2001-06-06 PRIOR PILING DATE: 2001-06-06 PRIOR PILING DATE: 2001-06-06 PRIOR PILING DATE: 2001-06-06 PRIOR PILING DATE: 2002-06-06 PRIOR PILING DATE: 2002-06-06 PRIOR PILING DATE: 2002-06-06 PRIOR PILING DATE: 2002-06-06 PRIOR PILING DATE: 2002-06-29 PRIOR PILING DATE: 2003-06-23 PRIOR PILING DATE: 2003-04-16 PRIOR PILING DATE: PRIOR PILING DATE: 2003-04-16 PRIOR PILING DATE: PRIOR PILING DATE
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PRIOR APPLICATION NUMBER: PCT/USO1/00664
PRIOR FILING DATE: 2001-01-30
PRIOR APPLICATION NUMBER: PCT/USO1/00669
PRIOR FILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
PRIOR PLING DATE: 2001-01-30
PRIOR PILING DATE: 2001-01-30
PRIOR FILING DATE: 2001-01-30
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 15755
SOFTWARE: Acomica Sequence Listing Engine
SEQ ID NO 6238
LENGTH: 17
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Pred. No. 4.1e+02;
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1.0%;
Best Local Similarity 94.1%;
Matches 16; Conservative 0
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; ORGANISM: Homo sapiens
US-10-723-361-6628
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US-10-724-270-4789
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US-10-724-270-4789/c
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LENGTH: 17
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                                                                                                          APPLICANT: CHEA, WENDERLEADED
APPLICANT: SHANNON, MARK
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN FILE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN CURRENT APPLICATION NUMBER: US/10/723,361
CURRENT FILING DATE: 2003-11-26
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/207,456
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: US 60/236,359
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00666
PRIOR PELICATION NUMBER: PCT/US01/00669
PRIOR PELICATION POS: 15755
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APPLICANT: GU, Yizhong
APPLICANT: Ji, Yonggang
APPLICANT: HANZEL, David K.
APPLICANT: RANK, David R.
APPLICANT: RANK, David R.
APPLICANT: HANZEL, Barid R.
APPLICANT: SHANNON, Mark
TITLE OF INVENTION: HUMAN MYOSIN-LIKE POLYPEPTIDE EXPRESSED PREDOMINANTLY IN HEART AN
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PRIOR APPLICATION NUMBER: US/10/723,361
PRIOR APPLICATION NUMBER: US 09/866,108
PRIOR FILING DATE: 2001-05-25
PRIOR PLLING DATE: 2000-05-26
PRIOR PLLING DATE: 2000-05-26
PRIOR APPLICATION NUMBER: US 60/207,456
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR APPLICATION NUMBER: US 60/236,359
PRIOR PILING DATE: 2000-09-27
PRIOR PLLING DATE: 2000-09-27
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
PRIOR PLLING DATE: 2001-01-30
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                HANZEL, David K.
RANK, David R.
CHEN, Wensheng
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ORGANISM: Homo sapiens
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENEFAITLE OF INVENTION: USES THEREOF
FILE REPERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
SOFTWARE: PALCHLIN VERSION 3.1
SOFTWARE: PALCHLIN VERSION 3.1
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GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENER TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THEREOF
TILLE REFERENCE: 47487
CURRENT PAPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ ID NO 64684
LENGTH: 19
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                                                                                                               1.0%; Score 15.4; DB 1; Length 19; 94.1%; Pred. No. 4.5e+02;
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Pred. No. 4.5e+02;
0; Mismatches 1;
                                                                                                                                                                0; Mismatches
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; Sequence 28984, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                         Sequence 64492, Application US/10310188
GENERAL INFORMATION:
APPLICANT: RosettaGemonics
                                                                                                                                                                                                              1469 GCCTGTACTGCCAGGAG 1485
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                        ; TYPE: DNA; ORGANISM: synthetic construct US-09-291-838-21
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Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                16; Conservative
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; ORGANISM: Homo sapiens
US-10-310-188-64492
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                                                                                                                                  Best Local Similarity
Matches 16; Conserv
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US-10-310-188-64492
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LENGTH: 19
                                                                                                                    Query Match
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                                                                           Sequence 30951 Application US/10310188
GENERAL INFORMATION:
TILLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENETITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENETITLE OF INVENTION: USES THEREOF TITLE OF INVENTION: UNBER: US/10/310,188
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ ID NO 30951
LENGTH: 18
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ROSELEGGENOTICS
TITLE OF INVENTION: USES THEREOF
CURRENT APPLICATION UNMER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ ID NO 83364
LENGTH: 18
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Sequence 21, Application US/09291838

GENERAL INFORMATION:
APPLICANT: Khodadoust, Mehran
TITLE OF INVENTION: THERFOR
FILE REFRENCE: MNI -053CP
CURRENT APPLICATION NUMBER: 08/09/291,838

CURRENT FILING DATE: 1999-04-14

EARLIER FILING DATE: 1999-04-14

EARLIER FILING DATE: 1998-09-29

EARLIER FILING DATE: 1998-09-29

EARLIER FILING DATE: 1998-09-04

NUMBER OF SEQ ID NOS: 21

CORPUSATION NUMBER: 60/099,089
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Pred. No. 4.3e+02;
0; Mismatches 1; Indels
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Best Local Similarity 94.1%;
Matches 16; Conservative
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SEQ ID NO 21
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; ORGANISM: Homo sapiens
US-10-310-188-83364
                                                                                                                                                                                                                                                                                                                                                                         TYPE: DNA
CORGANISM: Homo sapiens
US-10-310-188-30951
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US-10-310-188-83364
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Query Match 1.0%; Score 15.4; DB 1; Length 19; Best Local Similarity 94.1%; Pred. No. 4.5e+02; Matches 16; Conservative 0; Mismatches 1; Indels
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APPLICANT: Khorova, Anastasia
APPLICANT: Kryonida, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 29970
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                     APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                   CURRENT PEPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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      Marshall, William
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CORGANISM: Homo sapiens
US-10-714-333A-29063
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US-10-714-333A-29085/c
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US-10-714-333A-29070
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US-10-714-333A-29003/C
Sequence 29003, Application US/10714333A
Sequence 29003, Application US/10714333A
Sequence 29003, Application US/10714333A
Sequence 29003, Application US/10714333A
APPLICANT: Brancon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Beake, Devin
APPLICANT: Garinge, Stephen
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
FRIOR APPLICATION NUMBER: 60/502,050
FRIOR APPLICATION NUMBER: 60/426,137
FRIOR FILING DATE: 2002-11-14
SOFTWARE: PROPRIETET
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Pred. No. 4.5e+02;
4; Mismatches 1; Indels
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Pred. No. 4.5e+02;
0; Mismatches 1; Indels
APPLICANT: Khorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
ITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 28984
LENGTH: 19
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; Sequence 29063, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
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70.6%;
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Best Local Similarity 70.61
Matches 12; Conservative
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Matches 16; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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94.1%; Pred. No. 4.5e+02;
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APPLICANT: Khvorova, Ansetasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE.OF INVENTION: Functional and Hyperfunctional sirNA
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US-10-714-333A-29159/C
Sequence 29159, Application US/10714333A
GENERAL INFORMATION:
A APPLICANT: Dharmacon, Inc.
APPLICANT: Krovovov, Anastasia
APPLICANT: Reynolds, Angela
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; Sequence 29210, Application US/10714333A
; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PELING DATE: 2002-110
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOOTWARE: Proprietary
SEQ ID NO 29144
LENGTH: 19
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Best Local Similarity 94.1
Matches 16; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                                                      TYPE: RNA
ORGANISM: Homo sapiens
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Pred. No. 4.5e+02;
0; Mismatches 1; Indels
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APPLICANT: Charmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-14
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLICHIG DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHARE: Proprietary
SEQ ID NO 29138
LENGTH: 19
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Scatinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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                               RRENT APPLICATION NUMBER: US/10/714,333A
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                                                 CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-10-10
PRIOR PELING DATE: 2003-10-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 29085
LENGTH: 19
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Best Local Similarity 94.1%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                    , ORGANISM: Homo sapiens
US-10-714-333A-29085
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US-10-714-333A-29138
     REFERENCE: 13499US
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Query Match
Best Local Similarity 64.7%
Matches 11; Conservative
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Best Local Similarity 64.73
Matches 11; Conservative
                                           TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-67833
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SEQ ID NO 67833
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LENGTH: 19
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1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 64.7%; Pred. No. 4.5e+02;
Matches 11; Conservative 5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Khrorova, Amstasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 67733
LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resc, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 134,99US
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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; Sequence 67733, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
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                     NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 29210
LENGTH: 19
PRIOR FILING DATE: 2002-11-14
                                                                                                                                      ; ORGANISM: Homo sapiens
US-10-714-333A-29210
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                                                                                                                 TYPE: RNA
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Sequence 68033, Application US/10714333A
GENERAL INFORMATION. Inc.
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Beynolds, Angela
APPLICANT: Bezaringe, Stephen
APPLICANT: Barefall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PELING DATE: 2003-11-14
PRIOR PELING DATE: 2003-11-14
PRIOR PELING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 68033
LENGTH: 19
 Length 19;
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                                  1; Indels
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1.0%; Score 15.4; DB 1;
64.7%; Pred. No. 4.5e+02;
tive 5; Mismatches 1;
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64.7%; Pred. No. 4.5e+02;
trive 5; Mismatches 1;
                                                                   1423 GTGCTGATGTGGACCAT 1439
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Query Match
1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 64.7%; Pred. No. 4.5e+02;
Matches 11; Conservative 5; Mismatches 1; Indels
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APPLICANT: Khorova, Anatrasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, william
APPLICANT: Marshall, william
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPRENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/204,137
PRIOR PLILOG DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ -ID NO 15:693
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                                                                                                                                                                                                                                                                                                                                                                          US-10-714-333A-81388/c
; Sequence 81388, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                           1423 GTGCTGATGTGGACCAT 1439
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Best Local Similarity 94.1
Matches 16; Conservative
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j ORGANISM: Homo sapiens
US-10-714-333A-81388
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Best Local Similarity
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Resynolda, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 68133
LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.;
APPLICANT: Khyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
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PRIOR APPLICATION NUMBER: 0.0502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 68233
LENGTH: 19
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US-10-714-333A-68033
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US-10-714-333A-68233
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1.0%; Score 15.4; DB 1; Length 19; 94.1%; Pred. No. 4.5e+02; tive 0; Mismatches 1; Indels
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APPLICANT: Leafull william
APPLICANT: Asaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFFWARE: Proprietary
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APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
                                            RESULT 519
US-10-14-333A-190474/c
; Sequence 190474, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
. aPPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 520
US-10-714-333A-266592/c
; Sequence 266592, Application US/10714333A
; GENERAL INFORMATION:
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18 AACTGAGGAAGCTGCTG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Query Match
Best Local Similarity 94.1<sup>3</sup>
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA; ORGANISM: Homo sapiens
US-10-714-333A-190474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-266592
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    SEQ ID NO 190474
LENGTH: 19
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LENGTH: 19
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                                                                                                                                                                                          APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/502,050
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 163815
LENGTH: 19
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                                                                                                                  RESULT 517
US-10-714-333A-163815
Sequence 163815, Application US/10714333A
GENERAL INFORMATION:
                   1062 CTTCTTTGCCTTCCTCC 1078
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                                                         17 crrcrrreccrrcrrcc 1
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US-10-714-333A-163815
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA; ORGANISM: Homo sapiens
US-10-714-333A-182262
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US-10-714-333A-284094

i Sequence 284094, Application US/10714333A

i GENERAL INFORMATION:

APPLICANT: CANORY Anastasia
APPLICANT: Reynold, Angela
APPLICANT: Reynold, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, Stephen
ITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: PROprietary

LENGTH: 19
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                                  APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, Replan
APPLICANT: Marshall, Replan
FILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 266761
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; Sequence 287934, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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: Dharmacon, Inc.
: Khvorova, Anastasia
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    16; Conservative
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US-10-714-333A-266761
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; ORGANISM: Homo sapiens
US-10-714-333A-284094
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Matches
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US-10-714-333A-266688/C
US-10-714-333A-266688/C
Sequence 266688, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorcva, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scarings, Stephen
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 266688
LENGTH: 19
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       GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Rhvorova, Anastasia

APPLICANT: Rhvorova, Anastasia

APPLICANT: Reprolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Leake, Devin

APPLICANT: Scaringe, Stephen

ITILE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT APPLICATION NUMBER: 60/502,050

PRIOR PLING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR PILING DATE: 2002-11-14

SOFTWARE: PROPRIETARY

SOFTWARE: PROPRIETARY
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Pred. No. 4.5e
0; Mismatches
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Best Local Similarity: 94.1;
Matches 16; Conservative
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Best Local Similarity 94.1;
Matches 16; Conservative
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US-10-714-333A-266688
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US-10-714-333A-266761/c
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Query Match 1.0%; Score 15.4; DB 1; Length 19; Best Local Similarity 52.9%; Pred. No. 4.5e+02; Matches 9; Conservative 7; Mismatches 1; Indels
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
Scaringe, Stephen /ENTION: Functional siRNA
                            TITLE OF INVENTION: Functional and Hyperfunct:
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
SEQ ID NO 45335
LENGTH: 19
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US-10-714-333A-468974/C
; Sequence 468974, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-468955/c
Sequence 468955, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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CORGANISM: Homo sapiens
US-10-714-333A-468955
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Pred. No. 4.5e+02;
0; Mismatches 1; Indels
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1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 52.9%; Pred. No. 4.5e+02;
Matches 9; Conservative 7; Mismatches 1; Indels
                                 APPLICANT: Agriculty Application APPLICANT: Agriculty APPLICANT: Marshall, William APPLICANT: Marshall, William APPLICANT: Scaringe, Stephen and Hyperfunctional siRNA TITLE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 08/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 287934
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APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respective to the control of t
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US-10-714-333A-465335
; Sequence 465335, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 465235, Application US/10714333A GENERAL INFORMATION:
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94.1%;
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Marshall, William
    Reynolds, Angela
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Best Local Similarity 94.1%
Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-287934
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CORGANISM: Homo sapiens
US-10-714-333A-465235
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1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 47.1%; Pred. No. 4.5e+02;
Matches 8; Conservative 8; Mismatches 1; Indels
                                                                                                                                                                                                                                                       Length 19
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US-10-714-333A-560766/c

| Sequence 560766, Application US/10714333A |
| Sequence 560766, Application US/10714333A |
| SENERAL IPPORMATION: |
| APPLICANT: Dharmacon, Inc. |
| APPLICANT: Revolds, Anastasia |
| APPLICANT: Marshall, William |
| APPLICANT: Scaringe, Stephen |
| TITLE OF INVENTION: Functional and Hyperfunctional siRNA |
| FILE REFREENCE: 13499US |
| CURRENT APPLICATION NUMBER: US/10/714,333A |
| CURRENT FILING DATE: 2003-11-14 |
| PRIOR APPLICATION NUMBER: 60/502,050 |
| PRIOR PILING DATE: 2003-09-10 |
| PRIOR FILING DATE: 2002-11-14 |
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: KNOTOVA, Anastasia
APPLICANT: KNOTOVA, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 474959
LENGTH: 19
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Pred. No. 4.5e+02;
                                                                                                                                                                                                                                                                                               4; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 474959, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
    PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION WUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 474945
LENGTH: 19
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2 UGCUGAUUCUCUUCCUU 18
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70.6%;
                                                                                                                                                                                                                                                Query Match
Best Local Similarity 70.6'
Matches 12, Conservative
                                                                                                                                                            TYPE: RNA
CRGANISM: Homo sapiens
US-10-714-333A-474945
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US-10-714-333A-474959
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1.0%; Score 15.4; DB 1; Length 19;
Best Local Similarity 94.1%; Pred. No. 4.5e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 474898, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FPLE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 474898
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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1 GUCCAUGACUGGCUAUA 17
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Matches 11; Conservative
                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-468974
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US-10-714-333A-474898
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US-10-714-333A-474945
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1.0%; Score 15.4; DB 1; Length 19; 70.6%; Pred. No. 4.5e+02; tive 4; Mismatches 1; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Educated, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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LINGTH: 19
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Sequence 624598, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Chorova, Anastasia

APPLICANT: Revnoids, Angela

APPLICANT: Rexholds, Angela

APPLICANT: Marshall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIECATY
SEQ ID NO 624598
LENGTH: 19
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APPLICANT: Dharmacon, Inc.
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Best Local Similarity 70.6
Matches 12; Conservative
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Best Local Similarity 70.6
Matches 12; Conservative
                                                ; ORGANISM: Homo sapiens
US-10-714-333A-606457
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US-10-714-333A-606657
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ORGANISM: Homo sapiens
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     LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorcova, Anastasia
APPLICANT: Khvorcova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: NEGRING, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 581586
LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Kivorova, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SEQ ID NO 606457
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; Sequence 581586, Application US/10714333A
; GENERAL INFORMATION:
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NUMBER OF SEQ ID NOS: 1591911
                                                                                                                   ; ORGANISM: Homo sapiens
US-10-714-333A-560766
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US-10-714-333A-581586
                         SOFTWARE: Proprietary
SEQ ID NO 560766
LENGTH: 19
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                                                                                                 TYPE: RNA
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US-10-714-333A-667461/c

Sequence 667461, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Cancor, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Beake, Devin

APPLICANT: Bornolds, Euchen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: 60/502,050

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR FILING DATE: 2002-11-14

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Dharmacon.
APPLICANT: CANCOVA, Anacasia
APPLICANT: Knorova, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respective to the control of the con
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1.0%; Score 15.4; DB 1;
Best Local Similarity 82.4%; Pred. No. 4.5e+02;
Matches 14; Conservative 2; Mismatches 1;
          94.1%; Pred. No. 4.5e+02; ive 0; Mismatches 1
                                                                                                                520 TITCIGICCACCCIGIT 536
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Best Local Similarity 94.1
Matches 16; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo Bapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             RESULT 541
US-10-714-333A-940279
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                                                                            Query Match 1.0%; Score 15.4; DB 1; Length 19; Best Local Similarity 94.1%; Pred. No. 4.5e+02; Matches 16; Conservative 0; Mismatches 1; Indels
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APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 651460
                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 651411, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
FRIOR PRICA APPLICATION NUMBER: 60/502,050
FRIOR FILING DATE: 2003-09-10
FRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 651411
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US-10-714-313A-651460/c
; Sequence 651460, Application US/10714333A
; GENERAL INFORMATION:
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CORGANISM: Homo sapiens
US-10-714-333A-651411
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US-10-714-333A-651460
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          US-10-714-333A-624598
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US-10-714-333A-1188581

Sequence 1188581, Application US/10714333A

Sequence 1188581, Application US/10714333A

Sequence 1188581, Application US/10714333A

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Barshall, William

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: 13499US

FULR REFERRNCE: 13499US

CURRENT APPLICATION NUMBER: 60/502,050

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR PILING DATE: 2002-11-14

PRIOR PILING DATE: 2002-11-14

MUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 1188581
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1.0%; Score 15.4; DB 1; Length 19; 94.1%; Pred. No. 4.5e+02; tive 0; Mismatches 1; Indels
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                                                                                                                             APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                      FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                        RESULT 544
US-10-714-333A-1147332/c
; Sequence 1147332, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 94.1°
Matches 16; Conservative
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Best Local Similarity 58.8
Matches 10; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-1188581
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LENGTH: 19
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                                                                                                                                                                                               APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Dharmacon, Inc.
APPLICANT: Chrovoa, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATTLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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Pred. No. 4.5e+02;
0; Mismatches 1;
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-1017411/c
US-10-714-333A-1017411, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                 US-10-714-333A-978865/c; Sequence 978865, Application US/10714333A; GENERAL INFORMATION:
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402 CATCATCAGCACCCTGG 418
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                       1 CAACAUCAGCACCCUGG 17
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Best Local Similarity 94.1%;
Matches 16; Conservative
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US-10-714-333A-978865
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; ORGANISM: Homo sapiens
US-10-714-333A-1017411
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                                 APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TTILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1345571
LENGTH: 19
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Pred. No. 4.5e+02;
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Pred. No. 4.5e+02;
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; Sequence 1345571, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 1353450, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          2 AUCUUCUUUGCCAUCCU 18
                        Khvorova, Anastasia
Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 94.1%;
Matches 16; Conservative
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Best Local Similarity 47.1%;
Matches 8; Conservative 8
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APPLICANT: Khvorova, Anasta
APPLICANT: Reynolds, Angela
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US-10-714-333A-1274909
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; ORGANISM: Homo sapiens
US-10-714-333A-1345571
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Pred. No. 4.5e+02;
8; Mismatches 1; Indels
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                Sequence 1218898, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rivorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Acaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502.050
FILE REPERIOR DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Warchall, William
APPLICATION: VUNDAER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-09-10
PRIOR FILING DATE: 5003-09-10
PRIOR FILING DATE: 2003-09-10
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; Sequence 1274909, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 47.1%;
Matches 8; Conservative
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Best Local Similarity 94.1%;
Matches 16; Conservative
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SOFTWARE: Proprietary
SEQ ID NO 1274878
LENGTH: 19
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US-10-714-333A-1274878
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      7 TYPE: RNA
ORGANISM: Homo sapiens
US-10-714-333A-1218898
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US-10-714-333A-1218898
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LENGTH: 19
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US-10-714-333A-1473441

; Sequence 1473441, Application US/10714333A
; Sequence 1473441, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Trivorova, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Reynolds, Angela
; APPLICANT: Beake, Devin
; APPLICANT: Beake, Devin
; APPLICANT: Beake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Marshall, William
; APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: 05/502,050
; PRIOR PILING DATE: 2003-11-14
; PRIOR PILING DATE: 2002-11-14
; NUMBER: OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 1473441
                                                                                                                                                                                                                                                                                                                                                                                       1.0%; Score 15.4; DB 1; Length 19; 94.1%; Pred. No. 4.5e+02;
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         TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Deside Angela
APPLICANT: Leake, Deside Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATTLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                        FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-10
PRIOR FILING DATE: 2003-00
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 1499396, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-714-333A-1436443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens US-10-714-333A-1473441
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Best Local Similarity
Matches 12; Conserv
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                      16;
                                                                                                                                                                                                                                                                                               TYPE: RNA
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Sequence 1365530, Application US/10714333A

GENERAL INPORMATION:
APPLICANT: Charmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/10/14,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 136530
                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.4; DB 1; Length 19;
Pred. No. 4.5e+02;
0; Mismatches 1; Indels
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Pred. No. 4.5e+02;
0; Mismatches 1; Indels
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1353450
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; Sequence 1436443, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Reynolds, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Asshall, William
; APPLICANT: Scaringe, Stephen
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Best Local Similarity 94.1%;
Matches 16; Conservative (
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Best Local Similarity 94.1%;
Matches 16; Conservative (
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US-10-714-333A-1353450
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens
US-10-714-333A-1365530
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Los M. Cowsert
APPLICANT: Los M. Cowsert
APPLICANT: Los M. Cowsert
APPLICANT: Los Monia
TITLE OF INVENTION: ANTISENSE MODULATION OF DUAL SPECIFIC PHOSPHATASE 8 EXPRESSION
FILE REFERENCE: RTSP-0402
CURRENT APPLICATION NUMBER: PCT/US02/24143
CURRENT FILING DATE: 2002-07-30
PRIOR APPLICATION NUMBER: 09/920,668
PRIOR FILING DATE: 2001-08-01
NUMBER OF SEQ ID NOS: 49
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                                                                                                                                                                                                                             Length 20;
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GENERAL INFORMATION:
APPLICANT: Robert McKay
APPLICANT: Kennerth W. Dobie
TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
FILE REFERENCE: RTS-0380
CURRENT APPLICATION NUMBER: PCT/US03/39429
CURRENT FILING DATE: 2003-12-11
NUMBER OF SEQ ID NOS: 276
SEQ ID NOS: 276
                                                                                                                                                                                                                           Score 15.4; DB 1;
Pred. No. 4.8e+02;
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1.0%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 4.8e+02;
Matches 16; Conservative 0; Mismatches 1;
                                                                                                                                                  ) OTHER INFORMATION: Antisense Oligonucleotide PCT-US02-22746-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; FEATURE:
; OTHER INFORMATION: Antisense Oligonucleotide
PCT-US02-24143-17
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1.0%; Score 15.4; E
Best Local Similarity 94.1%; Pred. No. 4.8e
Matches 16; Conservative 0; Mismatches
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                                                                                      ORGANISM: Artificial Sequence FEATURE:
                                                                                                                                                                                                                                                                                                                                                                             17 GAGCTGTTGGATCGGGC 1
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PCT-US02-24143-17/c
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                  SEQ ID NO 43
LENGTH: 20
TYPE: DNA
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Resanne M. Crooke
APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: PCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR SILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1.0%; Score 15.4; DB 1; Length 19;
64.7%; Pred. No. 4.5e+02;
tive 5; Mismatches 1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1552767, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SQCTWARE: Proprietary
LENGTH: 19
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        813 CCTCTACTTCCTCTTCT 829
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Matches 11; Conservative
                                                                                                                                                                                                                                                                       , ORGANISM: Homo sapiens
US-10-714-333A-1499396
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1552767
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                                                                                                                                                                                                                                                       TYPE: RNA
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SEQUENCE CHARACTERISTICS:
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                                                                                                                                                                                                                                                                                                                                                                        RESULT 561
US-08-242-654A-68/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FILING DATE:
                                                                                                                    ; MODECULE 11FE
US-08-196-030C-68
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                                                                                                                                                                                                                    Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ANTHONY SCOTT MUERHOFF
APPLICANT: SHERI L. BUIJAK
APPLICANT: SHERI L. BUIJAK
APPLICANT: SA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B, NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 69
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ..
0
                                                                                             Sequence 1653, Application PC/TUS0404452

GENERAL INFORMATION:

APPLICANT: Bardelli, Alberto

APPLICANT: Bardelli, Allberto

APPLICANT: Velcules, Will

APPLICANT: Velcules, Victor

APPLICANT: Vogelstein, Bert

TITLE OF INVENTION: TYROSINE KINASES IMPLICATED IN CANCERS

TITLE OF INVENTION: TYROSINE KINASES IMPLICATED IN CANCERS

CURRENT APPLICATION NUMBER: PCT/US04/04452

CURRENT FILING DATE: 2004-02-18

NUMBER OF SEQ ID NOS: 2191

SOFTWARE: FBSESQ for Windows Version 4.0

SEQ ID NO 1653
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Length 20;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRETT APPLICATION DATA:
APPLICATION NUMBER: US/08/196,030C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Score 15.4; DB 1;
Pred. No. 4.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ADDRESSEE: ABBOTT LABORATORIES D377/AP6D STREET: ONE ABBOTT PARK ROAD CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        0; Mismatches
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TELECOMMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO: 68:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-08-196-030C-68/c
; Sequence 68, Application US/08196030C
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GEORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION: 435
ATTONNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               151 CAATTGCTGGAGCAAGC 167
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Best Local Similarity 94.1%;
Matches 16; Conservative
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COUNTRY: USA
ZIP: 60064-33F PORM:
MEDIUM TYPE: Floppy di
                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA ORGANISM: Homo sapiens
                                                             RESULT 559
PCT-US04-04452-1653/c
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GENERAL INFORMATION:
APPLICANT: JOHN N. SIMONS
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE J. DAWSON
APPLICANT: GEORGE J. DAWSON
APPLICANT: THOMAS P. LEARY
APPLICANT: THOMAS P. LEARY
APPLICANT: THOMAS P. LEARY
APPLICANT: ANTHONY SCOTT MURRHOFF
APPLICANT: SIREN M. DESAL
APPLICANT: SIREN M. DISAL
APPLICANT: SIREN M. DISAL
APPLICANT: SIREN MUSHAHWAR
ITILE OF INVANTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
CORRESPONDENCES: 120
CORRESPONDENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Gaps
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                                                                                                                                                                                                                                                                                         Query Match 1.0%; Score 15.4; DB 1; Length 20; Best Local Similarity 94.1%; Pred. No. 4.8e+02;
                                                                                                                                                                                                                                                                                                                                                                                  1; Indels
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COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/NS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/242,654A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               D377/AP6D
                                                                                                                                                                                                                                                                                                                                                                                  0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           CLASSIFICATION: 435
ATTORNEY/AGRAT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFRENCE/DOCKET NUMBER: 5527.UG
TELECHMUNICATION INFORMATION:
TELEPHONE: 708-937-6365
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1476 CTGCCAGGAGTGGTACG 1492
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                                   TYPE: nucleic acid
STRANDENDESS: single
TOPOLOGY: linear
MOLECULE TYPE: DNA (genomic)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  19 CTGCCAGGAGGGGTACG 3
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                                                                                                                                                                                                                                                                                                                                                                                  16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TELEFAX: 708-938-2623
INFORMATION FOR SEQ ID NO:
SEQUENCE CHARACTERISTICS:
20 base pairs
nucleic acid
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGIH: 20 base pairs
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EDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity
Matches 16; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     linear
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OPERATING SYSTEM: DOS
SOFTWARE: FastSEQ for Windows Version 2.0
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/092,330
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                                                                                                                                                                                                                                                                                                 ATTORNEY/AGENT INFORMATION:
NAME: POREMBSKI, PRISCILLA E.
REGISTRATION NUMBER: 33,207
REFERENCE/DOCKET NUMBER: 5527.PC
TELECOMMUNICATION INFORMATION:
TELEPAX: 708-936-235
INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ADDRESSEE: Abbott Laboratories
STREET: 100 Abbott Park Road
CITY: Abbott Park
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 24, Application US/09092330 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match 1.0%; Sc
Best Local Similarity 94.1%; Pr
Matches 16; Conservative 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1476 CTGCCAGGAGTGGTACG 1492
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; MOLECULE TYPE: DNA (genomic)
US-08-488-445A-99

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                                                                                                                                                                                                                                                                                                                                                                                                                                                        LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ZIP: 60064-3500
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette
                                                                                                                                                                                                                                                                   FILING DATE:
CLASSIFICATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           STRANDEDNESS:
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              Gaps
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MEDIUM TYPE: FORM:

MEDIUM TYPE: FORM:

COMPUTER: IBM PC Compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: Patentin Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/486,749

FILING DATE:

CLASSIFICATION NUMBER: US/08/424,550

FILING APPLICATION NUMBER: US/08/424,550

FILING APPLICATION NUMBER: 33,207

REGISTRATION NUMBER: 5527.PC.01

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELECOMMUNICATION INFORMATION:

TELEFRAK: 708-937-6365
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 1.0%; Score 15.4; Best Local Similarity 94.1%; Pred. No. 4.6 Matches 16; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 JOHN N. SIMONS
TAMI J. PILOT-MATIAS
GERORGE J. DAWSON
GEORGE G. SCHLAUDER
SURESH M. DESAI
THOMAS P. LEARY
ANTHONY SCOTT MUERHOFF
JAMES C. ERKER
SHERI L. BUIJK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-08-488-445A-99/c; Sequence 99, Application US/08488445A; GENERAL INFORMATION:
Application US/08486749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1476 CTGCCAGGAGTGGTACG 1492
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             INFORMATION FOR SEQ ID NO: 99:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TOPOLOGY: linear
; MOLECULE TYPE: DNA (genomic)
US-08-486-749-99
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: nucleic acid
STRANDEDNESS: single
Sequence 99, Applica GENERAL INFORMATION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
APPLICANT:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 563
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Gapa
APPLICANT: ISA K. MUSHAHWAR
TITLE OF INVENTION: NON-A, NON-B. NON-C, NON-D, NON-E HEPATITIS
TITLE OF INVENTION: REAGENTS AND METHODS FOR THEIR USE
NUMBER OF SEQUENCES: 716
CORRESPONDENCE ADDRESS:
ADDRESSEE: ABBOTT LABORATORIES D377/AP6D
STREET: 100 ABBOTT PARK ROAD
CITY: ABBOTT PARK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ö
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APPLICANT: COLEITTS, TRACEY L.
APPLICANT: COLEITTS, TRACEY L.
APPLICANT: FRIEDMAN, PAULA N.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: RUSSELL, JOHN C.
APPLICANT: FREQUEN: STEPHEN D.
TITLE OF INVENTION: FOR DETECTING DISEASES OF THE LUNG
NUMBER OF SEQUENCES: 32
CORRESPONDENCE ADDRESS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 20;
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                                                                                                                                                                                                                STATE: ILL
COUNTRY: USA
ZIP: 60064-3500
COMPUTER REDABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/488,445A
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Pred. No. 4.8e+02;
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US-10-310-188-25216

Sequence 25216, Application US/10310188

Sequence 25216, Application US/10310188

GROUP OF NOVEL VIRAL REGULATOR:

APPLICANT: ROSELtaGemonics

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86641

SOFTWARE: Patentin version 3.1

SEQ ID NO 25216

LENGTH: 20
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                                                                                                                                                                   Length 20;
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                                                                                                                                                                                                                   1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Robert McKay
APPLICANT: Renneth W. Dobie
TITLE OF INVENTION: MODULATION OF PPAR-ALPHA EXPRESSION
FILE REFERENCE: RTS-0380
CURRENT APPLICATION NUMBER: US/10/317,500
CURRENT FILING DATE: 2002-12-11
NUMBER OF SEQ ID NOS: 276
                                                                                                                                                                Query Match
1.0%; Score 15.4; DB 1;
Best Local Similarity 94.1%; Pred. No. 4.8e+02;
Matches 16; Conservative 0; Mismatches 1;
                                                                                           CTHER INFORMATION: Antisense Oligonucleotide US-09-918-026A-43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Antisense Oligonucleotide US-10-317-500-89
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        RESULT 568
US-10-317-500-89
; Sequence 89, Application US/10317500
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                   184 GAGCTGCTGGATCGGGC 200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        227 CATCACAAGACAAACCT 243
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                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                          17 GAGCTGTTGGATCGGGC 1
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US-10-310-188-25216
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US-10-325-899-9922/c
LENGTH: 20
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                                                                    FEATURE:
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Sequence 43, Application US/09918026A

Sequence 43, Application US/09918026A

Sequence 43, Application US/09918026A

GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke

APPLICANT: Mark J. Graham

APPLICANT: Kristina M. Lemonidis

APPLICANT: Kristina M. Lemonidis

FILE REFERENCE: ISPH-0588

CURRENT APPLICATION NUMBER: US/09/918,026A

CURRENT APPLICATION NUMBER: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     APPLICANT: Hinkle, Gregory J.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: 38-10(15804)C
TITLE OF INVENTION: 38-10(15804)C
CURRENT APPLICATION NUMBER: US/09/703,708
CURRENT PILING DATE: 2000-11-02
PRIOR APPLICATION NUMBER: US 60/164,320
PRIOR PILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
SEQ ID NO 16738
LENGTH: 20
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1.0%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 4.8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
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1.0%; Score 15.4; DB 1; Length 20;
Best Local Similarity 94.1%; Pred. No. 4.8e+02;
Matches 16; Conservative 0; Mismatches 1; Indels
            CLASSIFICATION:
PRIOR APPLICATION DATA:
PRIOR APPLICATION DATA:
PRILING DATE: 06-UN-1997
ATTORNEY/AGENT INFORMATION:
NAME: Becker, Cheryl L.
REGISTRATION NUMBER: 35,441
REFERENCE/DOCKET NUMBER: 6108.US.01
TELECOMMUNICATION INFORMATION:
TELECOMMUNICATION INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US-09-703-708-16738; Sequence 16738, Application US/09703708; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ORGANISM: Xanthomonas campestris US-09-703-708-16738
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SEQUENCE CHARACTERISTICS:
LENGTH: 20 base pairs
TYPE: nucleic acid
STRANDEDNESS: single
                                                                                                                                                                                                                                                                   TELEFAX: 847/938-2623
                                                                                                                                                                                                                                                                                                                                                                                                                                            linear
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Sequences of Sequences and Us/60164320

Sequences Replication Us/60164320

Sequences Sequences Sequences and Uses Thereof TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof FILE REPERBYCE: 38-10(15804)A

CURRENT PILING DATE: 1999-11-10

NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 16738

LENGTH: 20
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APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Xanthemonas campestris Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15804)B
CURRENT APPLICATION WUMBER: US/60/183,791
CURRENT FILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
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Pred. No. 4.8e+02;
0; Mismatches 1;
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94.1%; Pred. No. 4.8e+02;
tive 0; Mismatches 1;
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Pred. No. 4.8e+02;
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CURRENT FILING DATE: 2003-12-19
PRIOR APPLICATION NUMBER: US/09/689,012
PRIOR PILING DATE: 2000-10-12
PRIOR PILING DATE: 1099-05-05
PRIOR PILING DATE: 1999-05-05
PRIOR APPLICATION NUMBER: US 60/085,497
PRIOR PILING DATE: 1998-05-14
NUMBER OF SEQ ID NOS: 10
SOFTWARE: PATENTIN VETBION 3.1
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GENERAL INFORMATION:
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; ORGANISM: Xanthomonas campestris
US-60-164-320-16738
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Best Local Similarity 94.1%;
Matches 16; Conservative
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(1 Similarity 94.1%;
16; Conservative (
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Best Local Similarity 94.1<sup>†</sup>
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: PRIMER US-10-740-773-9
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Best Local Similarity
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LENGTH: 20
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                                                                                         APPLICANT: 1.Y, NGOC
APPLICANT: 1.Y, NGOC
APPLICANT: 1.Y, NGOC
APPLICANT: 1.Y, NGOC
APPLICANT: Woodward, Robert
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR DIAGNOSING AND MONITORING TRANSPLANT
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR EDGENIES 105/10/325,899
CURRENT APPLICATION NUMBER: US 60/296,764
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-10-22
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR APPLICATION NUMBER: US 10/131,831
PRIOR PRIOR FILING DATE: 2002-04-24
NUMBER OF SEQ ID NOS: 9966
SOFTWARE: PACENTIN VERSION 3.1
SEQ ID NO 9922
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Sequence 43, Application US/1048441

Sequence 43, Application US/1048441

Sequence 43, Application US/1048441

SEQUENCE 41, Application US/104841

APPLICANT: Mark J. Graham
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXFILE REFERENCE: ISPH?0694

TITLE OF INVENTION NUMBER: US/10/484,441

CURRENT FILING DATE: 2004-01-29

PRIOR APPLICATION NUMBER: 09/918,026

PRIOR FILING DATE: 2001-07-30

NUMBER OF SEQ ID NOS: 65

SEQ ID NO 43

LENGTH: 20
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Pred. No. 4.8e+02;
0; Mismatches 1;
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US-10-740-773-9/c
; Sequence 9, Application US/10740773
; GENERAL INFORMATION:
; APPLICANT: Spriggs, Welante K.
; TITLE OF INVENTION: NOVEL SEMAPHORIN POLYPEPTIDES
; FILE REFERENCE: 2634-US
; CURRENT APPLICATION NUMBER: US/10/740,773
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  PEATURE: OTHER INFORMATION: Antisense Oligonucleotide
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              Sequence 9922, Application US/10325899
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Best Local Similarity 94.1%;
Matches 16; Conservative
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Matches 16; Conservative
                                                         APPLICANT: Wohlgemuth, Jay
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-325-899-9922
                                                                                 Fry, Kirk
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PCT-USO2-22746-51/c

Sequence 51, Application PC/TUS0222746

Sequence 51, Application PC/TUS0222746

Sequence 51, Application PC/TUS0222746

Sequence 51, Application:
APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Riselina M. Lemonidis
APPLICANT: Riselina M. Lemonidis
APPLICANT: Riselina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2
TITLE OF INVENTION: EXPRESSION
FILE REFERENCE: ISPH-0694
CURRENT APPLICATION NUMBER: DCT/US02/22746
CURRENT FILING DATE: 2002-07-15
PRIOR PILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65

SEQ ID NO 51
LENGTH: 20
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LENGTH: 20
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; GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Pseudomonas aeruginosa PA01, complete genome.
FILE REPERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: PCT/US02/25943
CURRENT FILING DATE: 2002-08-27
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: PYOPICELARY
SEQ ID NO 13308
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                        APPLICANT: Hong Zhang
APPLICANT: Suean M. Freier
APPLICANT: Suean M. Freier
APPLICANT: Andrew T. Watt
TITLE OF INVENTION: ANTISENSE MODULATION OF RAIDD EXPRESSION
FILE REFRENCE: RTSP-0195
CURRENT APPLICATION UNMER: PCT/US01/50914
CURRENT FILING DATE: 2001-10-29
PRIOR APPLICATION NUMBER: 09/705,267
PRIOR PILING DATE: 2000-11-01
NUMBER OF SEQ ID NOS: 177
SEQ ID NO 142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                ; OTHER INFORMATION: Antisense Oligonucleotide PCT-US01-50914-142
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; OTHER INFORMATION: Antisense Oligonucleotide PCT-US02-22746-51
  APPLICANT: Isis Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1466 TCAGCCTGTACTGCCAGGAG 1485
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Best Local Similarity 85.0%
watches 17; Conservative
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PCT-US02-25943-13308/c
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Sequence 22, Application PC/TUSO127316

GENERAL INFORMATION:

APPLICANT: Isis Pharmaceuticals, Inc.

APPLICANT: Hong Zhang

APPLICANT: Hong Zhang

APPLICANT: Jacqueline Wyatt

TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR

TILE REFERENCE: ISPH-0605

CURRENT APPLICATION NUMBER: PCT/USO1/27316

CURRENT PILING DATE: 2001-08-31

PRIOR APPLICATION NUMBER: 09/657,346

PRIOR APPLICATION NUMBER: 09/607

PRIOR PILING DATE: 2001-03-07

PRIOR FILING DATE: 2001-03-07

NUMBER OF SEQ ID NOS: 175

SEQ ID NO 22

LENGTH: 20
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                                                                                                                                                                         Sequence 109, Application PC/TUS0101416A
GENERAL INFORMATION:
APPLICANT: Islas Pharmaceuticals, Inc.
APPLICANT: Nicholas M. Dean
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
TITLE OF INVENTION: ANTISENSE PCT/US01/01416A
CURRENT APPLICATION NUMBER: PCT/US01/01416A
CURRENT FILING DATE: 2001-01-16
PRIOR FILING DATE: 2000-24-01
PRIOR FILING DATE: 2000-24-01
SEQ ID NO 109
LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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327 CCTGCTTGATGAGCTGA 343
                                 CCTGCTTGATGATCTGA 20
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APPLICANT: Ward, Donna T.
APPLICANT: Ward, Donna T.
APPLICANT: Marcusson, Eric G.
APPLICANT: Marcusson, Eric G.
APPLICANT: Marcusson, Eric G.
APPLICANT: Dobie, Kenneth W.
TITLE OF INVENTION: MODULATION OF HYPOXIA-INDUCIBLE FACTOR 1 ALPHA EXPRESSION FILE REFRENCE: 1697-1009
CURRENT APPLICATION UNMBER: PCT/US03/37383
CURRENT APPLICATION NUMBER: US 10/304,126
PRIOR APPLICATION NUMBER: US 10/304,126
NUMBER OF SEQ ID NOS: 454
SOFTWARE: Patentin version 3.2
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APPLICANT: Marcusson, Eric G.
'APPLICANT: Freier, Susan M.
APPLICANT: Dobie, Kenneth W.
ITTLE OF INVENTION: MODULATION OF HYPOXIA-INDUCIBLE FACTOR 1 ALPHA EXPRESSION FILE REFERENCE: ISPT-1009
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85.0%; Pred. No. 5e+02;
tive 0; Mismatches 3; Indels
3; Indels
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Pred. No. 5e+02;
0; Mismatches 3;
0; Mismatches
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CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR FILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 454
SOFTWARE: Patentin version 3.2
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; OTHER INFORMATION: Oligonucleotide Primer PCT-US03-37383-219
                                                                                                                                                                                        PCT-US03-37383-219; Sequence 219, Application PC/TUS0337383
GENERAL INFORMATION: APPLICANT: ISIS Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 337, Application PC/TUS0337383 GENERAL INFORMATION:
APPLICANT: ISIS Pharmaceuticals, Inc.
                                                245 TGCCCCCACCTCCCCAGGT 264
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Best Local Similarity 85.09
Matches 17; Conservative
17; Conservative
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Best Local Similarity 85.0
Matches 17; Conservative
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PCT-US03-37383-337
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LENGTH: 20
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Matches.
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                                                                                         ; LOCATION: (1341916)...(1341935)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 14346
PCT-US02-25943-13308
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TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPERESSION
FILE REPERENCE: 1179/1/PCT
CURRENT APPLICATION NUMBER: PCT/US03/30374
CURRENT FILING DATE: 2003-09-25
PRIOR PILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
SEQ ID NO 454
LENGTH: 20
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APPLICANT: Kane, Christopher D
TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESOID X RECEPTOR EXPRESSION
TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESOID X RECEPTOR EXPRESSION
FILE REPERBNCE: 01290/1/PcT
CURRENT APPLICATION NUMBER: PCT/US03/30353
CURRENT FILING DATE: 2003-09-25
PRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 2146
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                       TYPE: DNA
ORGANISM: Pseudomonas aeruginosa PA01, complete genome
FEATURE:
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    FEATURE:
    OTHER INFORMATION: human FXR antisense
PCT-US03-30353-119

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APPLICANT: Pharmacia Corp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 119, Application PC/TUS0330353 GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                            638 CGCTGCCGGTCCACGTGGCC 657
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ORGANISM: artificial
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Best Local Similarity
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PCT-US03-30353-119
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LENGTH:
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FEATURE: OTHER INFORMATION: Description of Artificial Sequence: Sequencing OTHER INFORMATION: primer for a DNA encoding the heavy chain of a OTHER INFORMATION: humanized anti-Fas antibody
APPLICANT: CHEBURY, Masahiko
APPLICANT: Haruyama, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Takahashi, Tohru
APPLICANT: Takahashi, Tohru
APPLICANT: Shiraishi, Akio
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126/HG
CURRENT FILING DATE: 1998-04-01
EARLIER APPLICATION NUMBER: US 1997-04-01
EARLIER PILING DATE: 1997-06-25
EARLIER FILING DATE: 1997-10-08
NUMBER OF SEQ ID NOS: 123
SOFTWARE: PALENCTH Ver. 2.0
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ORGANISM: Artificial Sequence
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Best Local Similarity
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LENGTH: 20
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             i Sequence 810, Application PC/TUS0404452

GENERAL INFORMATION:
APPLICANT: Bardelli, Alberto
APPLICANT: Bardelli, Alberto
APPLICANT: Parsons, Will
APPLICANT: Velculescu, Victor
APPLICANT: Volgelstein, Bert
TITLE OF INVENTION: TYROSINE KINASES IMPLICATED IN CANCERS
FILE REFERENCE: 001107, 00327
CURRENT FAPLICATION NUMBER: PCT/US04/04452
CURRENT FILING DATE: 2004-02-18
NUMBER OF SEQ ID NOS: 2191
SOFTWARE: FastSEQ for Windows Version 4.0
IENGTH: 20
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5e+02;
thes 3; Indels
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85.0%; Pred. No. 5e+02;
tive 0; Mismatches 3; Indels
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APPLICANT: Pardoll, Drew
APPLICANT: Pardoll, Jonathan
APPLICANT: Powell, Jonathan
APPLICANT: Drake, Charles
APPLICANT: Huang, Ching-rea
ITLE CANT: Huang, Ching-rea
CURRENT APPLICATION NUMBER: PCT/USO4/06133
CURRENT APPLICATION NUMBER: 60/451,039
PRIOR PILING DATE: 2003-06-24
PRIOR APPLICATION NUMBER: 60/451,139
PRIOR PILING DATE: 2003-06-248
PRIOR FILING DATE: 2003-12-22
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSEQ for Windows Version 4.0
SED ID NO.
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1.0%; Score 15.2;
Best Local Similarity 85.0%; Pred. No. 5e
Matches 17; Conservative 0; Mismatche
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APPLICANT: Ichikawa, Kimihisa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Best Local Similarity 85.0 Matches 17; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: DNA ORGANISM: Mus musculus
           CT-US04-04452-810/c
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                                                                      ö
1.0%; Score 15.2; DB 1; Length 20; 85.0%; Pred. No. 5e+02; tive 0; Mismatches 3; Indels
                                                                                                                                                                                                                                                                                                                                            Sequence 98, Application US/09053583A
Sequence 98, Application US/09053583A
GENERAL INFORMATION:
APPLICANT: Serizawa, Nobufusa
APPLICANT: Chikawa, Kimihisa
APPLICANT: Chikawa, Kimihisa
APPLICANT: Ohsumi, Jun
APPLICANT: Takahashi, Tohru
APPLICANT: Takahashi, Tohru
APPLICANT: Yoshida, Hiroko
APPLICANT: Yoshida, Hiroko
APPLICANT: Yoshida, Hiroko
APPLICANT: Yonehara, Shin
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126/HG
CURRENT APPLICATION NUMBER: US/09/053,583A
CURRENT FILING DATE: 1999-04-01
BARLIER APPLICATION NUMBER: JP HEI 9-16908B
EARLIER FILING DATE: 1997-06-25
BARLIER FILING DATE: 1997-10-08
NUMBER OF SEQ ID NOS: 123
SEG ID NO 98
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FEATURE:
COTHER INFORMATION: Description of Artificial Sequence: Sequencing
OTHER INFORMATION: primer for a DNA encoding the heavy chain of a
COTHER INFORMATION: humanized anti-Fas antibody
US-09-499-662-94
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APPLICANT: Barayawa, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/09/499,662
CURRENT FILING DATE: 2000-02-09
EARLIER APPLICATION NUMBER: US 09/053,583
FARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
                                                                                                                                                                                                                                                 APPLICANT: Serizawa, Nobufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Haruyama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/09/499,662
CURRENT FILING DATE: 2000-02-09
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  EARLIER APPLICATION NUMBER: US 09/053,583
EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 94
LENGTH: 20
                                                                                                                                                                                                 Sequence 94, Application US/09499662 GENERAL INFORMATION:
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US-09-499-662-98
; Sequence 98, Application US/09499662
; GENERAL INFORMATION:
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                          819 CTTCCTCTTCTGCCCAACAC
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ORGANISM: Artificial Sequence
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US-09-499-662-94/c
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  ; DB 1; Length 20;
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
                                                       Indels
                                                                                                                                                                                                                                                                                                                      APPLICANT: Serizawa, Nobufusa
APPLICANT: Barutama, Hideyuki
APPLICANT: Nakahara, Kaori
APPLICANT: Takahashi, Tkuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 990540/HG
CURRENT PILING DATE: 1999-09-30
EARLIER APPLICATION NUMBER: UF/09/408,646A
CURRENT FILING DATE: 1998-09-30
EARLIER PILING DATE: 1998-09-30
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 94
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 98, Application US/09408646A; Sequence 98, Application US/09408646A; GENERAL INFORMATION:
APPLICANT: Serizawa, Nobutusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ibuko
APPLICANT: Tamaki, Ibuko
APPLICANT: Tamaki, Ibuko
APPLICANT: Tamaki, Ibuko
APPLICANT: 199640/HG
CURRENT PRILING DATE: 1999-09-30
BARLIER PILING DATE: 1998-09-30
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 98
LENGTH: 20
  1.0%; Score 15.2; D
85.0%; Pred. No. 5e+0
cive 0; Mismatches
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; Sequence 94, Application US/09408646A
; GENERAL INFORMATION:
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Query Match
Best Local Similarity 85.0
Matches 17; Conservative
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Length 20;

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FEATURE:

OTHER INFORMATION: Description of Artificial Sequence: Sequencing
OTHER INFORMATION: primer for a DNA encoding the heavy chain of a
CHERR INFORMATION: humanized anti-Fas antibody
US-09-499-662-98
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                                                                                                                                                                             Length 20
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1.0%; Score 15.2; DB 1; Length 2
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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Sequence 13143, Application US/09514000
GENERAL INFORMATION:
APPLICANT: HIGHS, Gregory J.
APPLICANT: HIGHS, Gregory J.
APPLICANT: Stater, Steven C.
TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15490)B
CURRENT APPLICATION NUMBER: US/09/514,000
CURRENT FILING DATE: 2000-02-23
NUMBER OF SEQ ID NOS: 15034
LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Hinkle, Gregory J.
APPLICANT: Slater, Steven C.
TITLE ON INVESTIGATION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof
FILE REFERENCE: 38-10(15490)B
CURRENT PPLICATION NUMBER: US/09/514,000
CURRENT PLLING DATE: 2000-02-23
NUMBER OF SEQ ID NOS: 15034
SEQ ID NO 13937
LENGTH: 20
TYPE: DNA
ORGANISM: Agrobacterium tumefaciens
US-09-514-000-13937
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GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Hinkle, Greeory J.
APPLICANT: Slater, Steven C.
TITLE OF INVENTION: Agrobacterium tumefaciens Genome Sequences and Uses Thereof FILE REFERENCE: 38-10 (15490) B
CURRENT APPLICATION NUMBER: US/09/514,000
CURRENT FILING DATE: 2000-02-23
SEQ ID NO 14384
LENGTH: 20
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85.0%; Pred. No. Se+02;
tive 0; Mismatches 3; Indels
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85.0%; Pred. No. Se+02;
tive 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Agrobacterium tumefaciens
US-09-514-000-13143
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US-09-514-000-14384
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Best Local Similarity 85.09
Matches 17; Conservative
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Matches 17; Conservative
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US-09-514-000-14384/c
US-09-514-000-13143
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APPLICANT: Hinkle, Gregory J.

TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15804)C

CURRENT APPLICATION NUMBER: US/09/703,708

CURRENT FILING DATE: 2000-11-02

PRIOR APPLICATION NUMBER: US 60/164,320

PRIOR APPLICATION NUMBER: US 60/183,791

PRIOR FILING DATE: 105-02-22

NUMBER OF SEQ ID NOS: 18992

SEQ ID NO 15685

LENGTH: 20
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85.0%; Pred. No. 5e+02;
rative 0; Mismatches 3; Indels
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5e+02;
~hes 3; Indels
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US-09-669-187A-448/C

Sequence 448, Application US/09669187A
GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REFERENCE: 01039/7035 (HCL/MAT)
CURRENT FILING DATE: 2000-09-25
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR APPLICATION NUMBER: US 60/156,113
PRIOR FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 1145
SOFTWARE: FEALSEQ FOR WINDOWS Version 3.0
SEQ ID NO 448
      85.0%; Pred. No. 5e+C
:ive 0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ) OTHER INFORMATION: Synthetic Sequence US-09-669-187A-448
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                                                                          956 GIGITCCIGICITIGCCAAC 975
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                                                                                                                    20 GTTTTCCTGTCTCTGCCAGC 1
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      Best Local Similarity 85.03
Matches 17; Conservative
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Best Local Similarity 85.0
Matches 17; Conservative
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Sequence 22, Application US/09800631
GENERAL INFORMATION:
APPLICANT: Hong Zhang
APPLICANT: Hong Zhang
APPLICANT: Application Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPRIBITE REPRENCE: 1SPH-0644
CURRENT APPLICATION NUMBER: US/09/800,631
CURRENT FILING DATE: 2001-03-07
PRIOR PILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 22
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US-09-888-326-406/c

i Sequence 406, Application US/09888326

i GENERAL INFORMATION:

APPLICANT: Hartmann, Gunther

APPLICANT: Hartmann, Gunther

ITLE OF INVENTION: Methods for Enhancing Antibody-Induced

ITLE OF INVENTION: Methods for Enhancing Cancer

ITLE OF INVENTION: Methods for Enhancing Cancer

ITLE OF INVENTION: Cell Lysis and Treating Cancer

FILE OF INVENTION: MANS:

CURRENT APPLICATION NUMBER: US/09/888,326

CURRENT APPLICATION NUMBER: US 60/213,346

PRIOR FILING DATE: 2000-06-22

NUMBER OF SEQ ID NOS: 848

SOFTWARE: FastSEQ for Windows Version 3.0

SEQ ID NO 406

"LENGTH: 20
                                                                                                                                                                                                                                                                                     Length 20;
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                                                                                                                                                                                                                                                                                  Query Match 1.0%; Score 15.2; DB 1; Length 2
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0; Mismatches
PRIOR:FILING DATE: 2001-01-17
NUMBER OF SEQ ID NOS: 17
SOFTWARE: PastSEQ for Windows Version 4.0
SEQ ID NO 4
LENGTH: 20
                                                                                                                                                                                                                                                                                                                                                                                           963 TGTCTTTGCCAACATGAGCC 982
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                                                                                                                                                                              FEATURE:
; OTHER INFORMATION: primer for PCR US-09-781-693A-4
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                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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                                                                                                                                 N: Methods for Detecting, Grading or Monitoring an H. pylori Infed
BXT-048
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GENERAL INFORMATION:

APPLICANT: Brazaler, Robert L.

APPLICANT: Petersen, Deanna M.

APPLICANT: Fouron, Yvea

TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
TITLE OF INVENTION: Immunostimulatory Nucleic Acids for the
TITLE OF INVENTION: 12000 Asthma and Allergy
FILE REFERENCE: C1037/7013 (HCL/MAT);
CURRENT APPLICATION NUMBER: US/09/776,479

CURRENT FILING DATE: 2001-02-03

NUMBER OF SEQ ID NOS: 1093

SOFTWARE: FastSEQ for Windows Version 3.0

LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Chang, Tai-Jay
TITLE OF INVENTION: ANDROGEN RECEPTOR COMPLEX-ASSOCIATED
TITLE OF INVENTION: PROTEIN
FILE REFERENCE: 11709-0033001
CURRENT APPLICATION NUMBER: US/09/781,693A
CURRENT FILING DATE: 2002-07-23
                                                                                                                         APPLICANT: Shuber, Anthony
TITLE OF INVENTION: Methods for Detectin
FILE REFERENCE: EXT-048
CURRENT APPLICATION NUMBER: US/09/755,004
CURRENT FILING DATE: 2001-01-05
NUMBER OF SEQ ID NOS: 11
SOFTWARE: Patentin version 3.0
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                                                                                                                                                                                                                                                                                                                                                           TYPE: DNA
ORGANISM: Artificial sequence
FEATURE:
COTHER INFORMATION: APC forward primer
US-09-755-004-10
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                                                US-09-755-004-10/c
; Sequence 10, Application US/09755004
; GENERAL INFORMATION:
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US-09-776-479-448/c
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             APPLICANT: Waters, Barbara
APPLICANT: Maecrs, Vivian
APPLICANT: Maecrs, Vivian
APPLICANT: Miao, Vivian
APPLICANT: Tong, Seow
TITLE OF INVENTION: BETHOD FOR ISOLATION OF BIOSYNTHESIS GENES FOR
TITLE OF INVENTION: BOACTIVE MOLECULES
TITLE OF INVENTION: BOACTIVE MOLECULES
CURRENT APPLICATION NUMBER: US/09/924,256A
CURRENT APPLICATION NUMBER: 08/861,774
PRIOR FILING DATE: 2001-08-08
PRIOR FILING DATE: 2001-04-13
NUMBER OF SEQ ID NOS: 94
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 1
LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 2
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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77.8%; Pred. No. 5e+02;
tive 3; Mismatches 1;
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; OTHER INFORMATĪON: PSAINTF internal forward
US-09-979-128-3
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ORGANISM: Artificial Sequence
FEATURE:
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ORGANISM: Artificial Sequence
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US-09-979-128-3
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APPLICANT: Rosanne M. Crooke
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTIERNSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REFERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
SEQ ID NO 51
LENGTH: 20
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US-09-888-326A-406/c
; Sequence 406, Application US/09888326A
; GENERAL INFORMATION:
; APPLICANT: Weiner, George
; APPLICANT: Weiner, Gorge
; TITLE OF INVENTION: Methods for Enhancing Antibody-Induced
; TITLE OF INVENTION: Cell Lysis and Treating Cancer
; TITLE OF INVENTION: Cell Lysis and Treating Cancer
; TITLE OF INVENTION: Cell Lysis and Treating Cancer
; FILE REFERENCE: Cl039/7052 (AMS)
; CURRENT APPLICATION NUMBER: US/09/888,326A
; PRIOR APPLICATION NUMBER: US 60/213,346
; PRIOR FILING DATE: 2000-06-22
; NUMBER OF SEQ ID NOS: 850
; SOFTWARE: PSESEQ for Windows Version 3.0
; SEQ ID NO 406
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
Query Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5e+02; Matches 17; Conservative 0; Mismatches 3; Indels
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US-09-918-026A-51
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       , OTHER INFORMATION: Synthetic oligonucleotide US-09-888-326A-406
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US-09-924-256A-1/c
; Sequence 1, Application US/09924256A
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ORGANISM: Artificial Sequence
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CURRENT APPLICATION NUMBER: US/10/216,484
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GENERAL INFORMATION:
APPLICANT: Krieg, Arthur M.
APPLICANT: Berg, Arthur M.
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
TITLE OF INVENTION: IMMUNOSTIMULATORY NUCLEIC ACID FOR
TITLE OF INVENTION: TREATMENT OF NON-ALLERGIC INFLAMMATORY DISEASES
FILE REFERENCE: CO1039/70060(AMS)
CURRENT APPLICATION NUMBER: US/10/112,653
CURRENT FILING DATE: 2002-03-29
FRIOR FILING DATE: 2001-03-29
NUMBER OF SEQ ID NOS: 1040
SOFTWARE Fast SEQ FOR Windows Version 3.0
SEQ ID NO 428
LENGTH: 20
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                                                                                                                                                            APPLICANT: BEATLACK, Robert L.
TITLE OF INVENTION: Inhibition of Angiogenesis by Nucleic Acids
FILE REFERENCE: C1037/7025 (HCL/MAT)
CURRENT APPLICATION UNMBER: US/10/017,995
CURRENT FILING DATE: 2001-12-18
PRIOR APPLICATION NUMBER: US 60/255,534
PRIOR PILING DATE: 2000-12-14
NUMBER OF SEQ ID NOS: 1093
SECTUMES: PRAESEQ for Windows Version 3.0
SEC ID NO 448
LENGTH: 20
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APPLICANT: Lex M. Cowsert
TITLE OF INVENTION: ANTISENSE MODULATION OF DAXX EXPRESSION
FILE REFERENCE: RTSP-0363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
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                                                                                                                 Sequence 448, Application US/10017995
GENERAL INFORMATION:
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1 GCCAGGTATTTCAGGTCAGC
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ORGANISM: Artificial Sequence
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Matches 17; Conserv
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US-10-181-846-109/c
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Pred. No. 5e+02;
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                                                                                                                                                                                                                                                                                                                                                             Score 15.2; DB 1
Pred. No. 5e+02;
                                                                                                                                                                                                                                                                                       ) OTHER INFORMATION: Antisense Oligonucleotide US-10-181-846-109
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APPLICANT: Nakahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
; APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/09/499,662
; PRIOR APPLICATION NUMBER: US/09/499,662
; PRIOR FILING DATE: 2000-02-09
; PRIOR FILING DATE: 2000-02-09
; PRIOR FILING DATE: 1998-04-01
; NUMBER OF SEQ ID NOS: 165
; SEQ ID NO 94
CURRENT APPLICATION NUMBER: US/10/181,846
CURRENT FILING DATE: 2002-07-17
PRIOR APPLICATION NUMBER: PCT/US01/01416
PRIOR FILING DATE: 2001-01-16
PRIOR APPLICATION NUMBER: 09/490,692
PRIOR PILING DATE: 2000-01-24
NUMBER OF SEQ ID NOS: 176
SEQ ID NO 109
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APPLICANT: Haruyama, Hideyuki
APPLICANT: Askahara, Kaori
APPLICANT: Tamaki, Ikuko
APPLICANT: Takahashi, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0%;
Matches 17; Conservative
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Best Local Similarity 85.0%;
Matches 17; Conservative (
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                                                                                                            ; FEATURE:
; OTHER INFORMATION: PCR PRIMER FOR SEQUENCE FROM ORYZA SATIVA
US-10-266-090-39771
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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GENERAL INFORMATION:
APPLICANT: GOFF, STEPHEN
APPLICANT: GOFF, STEPHEN
APPLICANT: COLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
FILE REFERENCE: NADII. 05801
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT APPLICATION NUMBER: US 10/266,703
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR PILING DATE: 2001-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: FRSISEQ for Windows Version 4.0
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APPLICANT: GORPE, STEPHEN
APPLICANT: GOLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: MANG, RONG-LIN
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT APPLICATION NUMBER: US 10/260,703
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR PILING DATE: 2002-09-26
NUMBER OF SEQ ID NOS: 51812
SOCTWARRE: Fastere for windows Version 4.0
SEQ ID NO 41589
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1.0%; Score 15.2; DB 1
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches
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                                                         TYPE: DNA ORGANISM: Artificial Sequence
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US-10-266-090-42307/c
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SEQ ID NO 39771
                                  LENGTH:
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1 DOCATION: (1341916)...(1341935)
2 DOCATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 14346
US-10-227-565-13308
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Sequence 13308, Application US/10227565

GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PAO1, complete genome.
FILE REPERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICANT: NUMBER: US/10/227,565

NUMBER OF SEQ ID NOS: 64158

SOFTWARE: Proprietary
SEQ ID NO 13308

LENGTH: 20

LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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APPLICANT: BONAN, CAROLINE
APPLICANT: COLBERT, MICHELLE
APPLICANT: COLBERT, MICHELLE
APPLICANT: WANGE, RONG-LIN
TITLE OF INVENTION: CEREAL TRINUCLEOTIDE SIMPLE SEQUENCE
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
TITLE OF INVENTION: LOSGOI
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT APPLICATION NUMBER: US/260,703
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR PILLING DATE: 2002-09-26
PRIOR PILLING DATE: 2001-09-26
PRIOR PILLING DATE: 2001-09-26
PRIOR FILLING DATE: SO01-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: FASELSEQ for Windows Version 4.0
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ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
  CURRENT FILING DATE: 2002-08-09
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
SEQ ID NO 98
LENGTH: 20
TYPE: DNA
TYPE: DNA
NORANISM: Artificial Sequence
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; Sequence 39771, Application US/10266090
; GENERAL INFORMATION:
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Matches 17; Conservative
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RESULT 618
US-10-293-338-4193
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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GENERAL INFORMATION:
APPLICANT: GOFF, STEPHEN
APPLICANT: COLENT, MICHELLE
APPLICANT: COLENT, MICHELLE
APPLICANT: COLENT, MICHELLE
APPLICANT: WANG, RONG-LIN
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
FILE REFERENCE: NADII.058C1
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT FILING DATE: 2002-10-03
PRIOR FILING DATE: 2002-10-03
PRIOR FILING DATE: 2002-09-26
PRIOR PAPLICATION NUMBER: US 60/326,117
PRIOR APPLICATION NUMBER: US 60/326,117
PRIOR APPLICATION NUMBER: US 60/326,117
SEQ ID NOS 550 ID NOS: 51812
SOFTWARE: PREESE FREESE FREES FREESE FREES FREESE FREESE FREESE FREESE FREESE FREES FREESE FREES FREESE FREESE FREESE FREES
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GENERAL INFORMATION:
APPLICANT: GOFF, STEPHEN
APPLICANT: COLENT, CAROLINE
APPLICANT: COLENT, MICHELLE
APPLICANT: COLENT, MICHELLE
APPLICANT: WANG, RONG-LIN
TITLE OF INVENTION: REPEAT MARKERS AND THEIR USES
FILE REFERENCE: NADII.058C1
CURRENT APPLICATION NUMBER: US/10/266,090
CURRENT FILING DATE: 2002-10-03
PRIOR FILING DATE: 2002-09-26
PRIOR PLICATION NUMBER: US 60/326,117
PRIOR PLICATION NUMBER: US 60/326,117
PRIOR PLICATION NUMBER: US 60/326,117
PRIOR FILING DATE: 2001-09-26
NUMBER OF SEQ ID NOS: 51812
SOFTWARE: PESESCQ for Windows Version 4.0
SEQ ID NO 49481
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LENGTH: 20
TYPE: DNA
ORGANISM: Artificial Sequence
FEATURE:
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Sequence 4685, Application US/10289762
GENERAL INFORMATION:
APPLICANT: Griffais, R.
TITLE OF INVENTION: Chlamydia pneumoniae genomic sequence and polypeptides, fragments
TITLE OF INVENTION: thereof and uses thereof, in particular for the diagnosis, prever
TITLE OF INVENTION: and treatment of infection
TITLE OF INVENTION: and treatment of infection
CURRENT APPLICATION NUMBER: US/10/289,762
CURRENT FILING DATE: 2003-03-27
NUMBER OF SEQ ID NOS: 6849
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DOCATION: (409466)...(409485); OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 1049 US-10-287-820-936
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GENERAL IMPORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Mycoplasma pneumoniae M129 complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION UNDBER: US/10/287,820
CURRENT FILING DATE: 2002-11-05
SOFTWARE: Proprietary
SEQ ID NO 936
LENGTH: 20
                                             FEATURE:
; OTHER INFORMATION: PCR PRIMER FOR SEQUENCE FROM ORYZA SATIVA
US-10-266-090-45481
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ouery Match 1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5e+02; Matches 17; Conservative 0; Mismatches 3; Indels
                                                                                                                                              Length 20;
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ORGANISM: Mycoplasma pneumoniae M129 complete genome.
                                                                                                                                                 Score 15.2; DB 1;
Pred. No. 5e+02;
                                                                                                                               1.0%; Scor.
85.0%; Pred. No. Seco.
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ORGANISM: Chlamydia pneumoniae
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TYPE: DNA ORGANISM: Artificial Sequence
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Best Local Similarity 85.09
Matches 17; Conservative
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US-10-287-820-936/c
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RESULT 621

US-10-310-188-10900

US-10-310-188-10900

Sequence 10900, Application US/10310188

Sequence 10900, Application US/10310188

TERMERAL INFORMATION:

TITLE OF INVENTION: USES THEREDF

TITLE OF INVENTION: USES THEREDF

TITLE OF SEQUENCE: 2002-12-19

CURRENT APPLICATION NUMBER: US/10/310,188

CURRENT FILING DATE: 2002-12-19

SOFTWARE: Patentin version 3.1

SOFTWARE: Patentin version 3.1

SEQ ID NO 10900

LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Rosettademonics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES;
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICANTION NUMBER: US/10/310,188
CURRENT PELING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86641
SOSTWARE: PATENTIN VERSION 3.1
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; GENERAL INFORMATION:
; APPLICANT: RosettaGenonics
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENES
; TITLE OF INVENTION: USES THEREOF
; FILE REFERENCE: 47487
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                                          Score 15.2; DB 1; Length 20;
Pred. No. 5e+02;
0; Mismatches 3; Indels
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85.0%; Pred. No. 5e+02;
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US-10-310-188-26108
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Best Local Similarity
Matches 17; Conserv
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Best Local Similarity
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US-10-310-188-40229/c
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  US-10-303-778-5528
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LENGTH: 20
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TITLE OF INVENTION: ANTISENSE MODULATION OF BH3 INTERACTING DOMAIN DEATH AGONIST EXPR
FILE REPRENCE: ISPH-0544
CURRENT APPLICATION NUMBER: US/10/293,783
CURRENT FILING DATE: 2002-11-13
PRIOR FILING DATE: 2001-03-07
PRIOR FILING DATE: 2001-03-07
PRIOR FILING DATE: 2000-09-07
NUMBER OF SEQ ID NOS: 175
SEQ ID NO 22
LENGTH: 20
                                          APPLICANT: RosettaGenomics LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
TITLE OF INVENTION: THEREOF
PILE REFERENCE: 45282
CURRENT APPLICATION NUMBER: US/10/293,338
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 8785
SOFTWARE: Patentin version 3.1
LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: RosettaGenomics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL
TITLE OF INVENTION: BAGULATORY GENES AND USES THEREOF
FILE REFERENCE: 47416
CURRENT APPLICATION NUMBER: 10S/10/303,778
CURRENT FILING DATE: 2002-11-26
NUMBER OF SEQ ID NOS: 17608
SOFTWARE: Patentin version 3.1
SEQ ID NO 5528
LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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; OTHER INFORMATION: Antisense Oligonucleotide
US-10-293-783-22
Sequence 4193, Application US/10293338
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GENERAL INFORMATION:
APPLICANT: Hong Zhang
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CORGANISM: Homo sapiens
US-10-293-338-4193
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ORGANISM: Homo sapiens
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APPLICANT: Haruyama, Hideyuki
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REPREBRE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-05
PRIOR FILING DATE: 2000-02-05
PRIOR FILING DATE: EARLIER APPLICATION NUMBER: GALLER APPLICATION NUMBER: EARLIER APPLICATION NUMBER: EARLIER APPLICATION NUMBER: EARLIER APPLICATION NUMBER: SEQ ID NOS: 165
SEQ ID NOS: 165
LIRANTHING DATE: DATE: DATE: 1998-04-01
LIRANTHING DATE: ALBANTHING DATE: 1998-04-01
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                                                                                                                                                                                                                                                                                         APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,832A
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
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ORGANISM: Pseudomonas aeruginosa PA01, complete genome
           2; DB 1;
5e+02;
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Pred. No. 5e+02;
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Pred. No. 5e+02;
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85.0%; Pred. No. Ser...
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                                                                                                                                                                                                        RESULT 626
US-10-367-832A-13308/c
Sequence 13308, Application US/10367832A
GENERAL INFORMATION:
                                                                                                  1461 CCAGGTCAGCCTGTACTGCC 1480
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illarity 85.0%;
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Best Local Similarity 85.0
Matches, 17; Conservative
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Matches 17; Conserv
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LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 60181, Application US/10310188
GENERAL INFORMATION:
APPLICANT: RosettaGemonics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
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5e+02;
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GENERAL ACCORDED ATTHUR M.
APPLICANT: Scheter, Christian
APPLICANT: Scheter, Christian
APPLICANT: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REFERENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/314,578
CURRENT FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 1999-09-37
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 1145
SOFTWARE: PSECEE OF WINDOWS VERSION 3.0
SEQ ID NO 448
LENGTH: 20
                                                                                                                                                                                                                               Score 15.2; DE Pred. No. 5e+02 0; Mismatches
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Pred. No. 56
           CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SGYTWARE: PatentIn version 3.1
SEQ ID NO 40229
LENGTH: 20
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Best Local Similarity 85.0%;
Matches 17; Conservative
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0%;
Matches 17; Conservative
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US-10-310-188-40229
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CORGANISM: Homo sapiens
US-10-310-188-60181
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US-10-310-188-60181/c
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RESULT 632
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APPLICANT: Wyatt, Jaqueline R.
APPLICANT: Wyatt, Jaqueline R.
APPLICANT: Wyatt, Jaqueline R.
APPLICANT: Vickers, Timothy A.
TITLE OF INVENTION: IDENTIFICATION OF GENETIC TARGETS FOR
TITLE OF INVENTION: GENERATION OF OLIGONUCLEOTIDES AND
TITLE REFERENCE: ISIS-4503
TITLE REFERENCE: ISIS-4503
CURRENT APPLICATION NUMBER: US/10/388,263
CURRENT FILING DATE: 2003-0312
NUMBER OF SEQ ID NOS: 947
SEQ ID NO 670
LEMETRICAND NO 670
                                                       GENERAL INFOGRATION:

APPLICANT: Berizawa, Nobufusa
APPLICANT: Haruyama, Hideyuki
APPLICANT: Tamaki, Ikuko
APPLICANT: Tamaki, Ikuko
APPLICANT: Tawaki, Ikuko
APPLICANT: Tawaki, Tohru
TITLE OF INVENTION: Anti-Fas Antibodies
FILE REFERENCE: 980126CIP/HG
CURRENT APPLICATION NUMBER: US/10/384,933
CURRENT FILING DATE: 2003-02-05
PRIOR APPLICATION NUMBER: US/09/499,662
PRIOR FILING DATE: 2000-02-09
PRIOR FILING DATE: 2000-02-09
PRIOR FILING DATE: EARLIER FILING DATE: 1998-04-01
NUMBER OF SEQ ID NOS: 165
LENGTH: 20
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ;
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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US-10-388-263-670
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GENERAL INFORMATION:
APPLICANT: COWSETT, LEX M.
APPLICANT: Baker, Brenda F.
APPLICANT: MCNeil, John
APPLICANT: Freier, Susan M.
APPLICANT: Freier, Susan M.
Sequence 98, Application US/10384933 GENERAL INFORMATION:
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Ohashi, Cara
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APPLICANT:
APPLICANT:
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EXI
FILE REFERENCE: ISPH?0694
CURRENT APPLICATION NUMBER: US/10/484,441
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
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Sequence 84, Application US/10648512

GENERAL INPOMATION:

APPLICANT: Hildebrandt, Friedhelm

APPLICANT: Otto, Edgar

APPLICANT: Hoefele, Julia

APPLICANT: Mueller, Adelheid M.

APPLICANT: Mueller, Adelheid M.

APPLICANT: Wolf, Matthias T.F.

APPLICANT: Schuermann, Maria J.

APPLICANT: Schuermann, Maria J.

APPLICANT: Schuermann, Maria J.

APPLICANT: Schuermann, Maria J.

APPLICANT: Schuermann, Waria J.

APPLICANT: Schuermann, Waria J.

CURRENT PILIA OF INVENTION: NPHP Nucleic Acids and Proteins

TITLE OF INVENTION: NPHP Nucleic Acids and CURRENT FILIA DATE: 2003-08-26

NUMBER OF SEQ ID NOS: 102

SOFTWARE: Patentin version 3.2

SEQ ID NO 84

LENGTH: 20
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85.0%; Pred. No. 5e+02;
ative 0; Mismatches 3;
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                                                                                                                                          US-10-484-441-51/c
; Sequence 51, Application US/10484441
; GENERAL INFORMATION:
903 TGCCCAGGCCCTGGGATGTG 922
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                                                                                                                                                                                                                 APPLICANT: Rosanne M. Crooke
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Best Local Similarity 85.04
Matches 17; Conservative
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LENGTH: 20
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US-10-719-370A-219
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Sequence 454, Application US/10671395
Sequence 454, Application US/10671395
GENERAL INFORMATION:
APPLICANT: Giorge, James APPLICANT: Giorge, James K
TITLE OF INVENTION: ANTISENSE MODULATION OF MICROSOMAL PROSTAGLANDIN E2 SYNTHASE
TITLE OF INVENTION: EXPRESSION
FILE REPERENCE: 1199/1/US
CURRENT APPLICATION NUMBER: US/10/671,395
PRIOR PILING DATE: 2003-09-25
PRIOR FILING DATE: 2002-09-25
NUMBER OF SEQ ID NOS: 1809
SOFTWARE: Patentin version 3.2
LENGTH: 20
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APPLICANT: Cimbora, Daniel
APPLICANT: Heichman, Karen
APPLICANT: Bartel, Paul
APPLICANT: Mauck, Kimberly
APPLICANT: Bush, Angie
TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR TREATING INFLAMMATORY DISORDERS
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                                                                 APPLICANT: Pharmacia Corp.

APPLICANT: Rane, Christopher D
TITLE OF INVENTION: ANTISENSE MODULATION OF FARNESOID X RECEPTOR EXPRESSION
FILE REFERENCE: 01290/1/US
CURRENT APPLICATION NUMBER: US/10/670,984
CURRENT FILING DATE: 2003-09-25
PRIOR APPLICATION NUMBER: 60/419,268
PRIOR FILING DATE: 2002-10-17
NUMBER OF SEQ ID NOS: 2146
SOFTWARE: Parentin version 3.2
SOFTWARE: Parentin version 3.2
LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                             ; FEATURE:
; OTHER INFORMATION: human FXR antisense
US-10-670-984-119
                    Sequence 119, Application US/10670984 GENERAL INFORMATION:
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ORGANISM: artificial
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US-10-670-984-119
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FILE REFERENCE: 1834.01

CURRENT APPLICATION NUMBER: US/10/690,276

CURRENT FILING DATE: 2003-10-20

FRIOR PILING DATE: 2000-12-01

FRIOR FILING DATE: 2000-12-01

FRIOR FILING DATE: 1999-12-02

FRIOR PILING DATE: 1999-12-02

FRIOR APPLICATION NUMBER: 60/185,056

FRIOR PILING DATE: 2000-02-25

FRIOR PILING DATE: 2000-02-25

FRIOR APPLICATION NUMBER: 10/035,344

FRIOR APPLICATION NUMBER: 10/035,344

FRIOR APPLICATION NUMBER: 10/035,343

FRIOR APPLICATION NUMBER: 60/259,571

FRIOR PILING DATE: 2001-01-04

FRIOR APPLICATION NUMBER: 60/259,572

FRIOR FILING DATE: 2001-01-04

FRIOR APPLICATION NUMBER: 60/259,572

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FRIOR APPLICATION NUMBER: 60/250,572

FRIOR PILING DATE: 2001-01-04

FRIOR PILING DATE: 2001-01-04

FRIOR FILING DATE: 2001-01-03-15

FRIOR FILING DATE: 2001-03-15

FRIOR FILING DATE: 2001-03-15

FRIOR FILING DATE: 2001-03-15

FRIOR FILING DATE: 2001-03-16

FRIOR FILING DATE: 2001-03-14
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GENERAL INFORMATION:
APPLICANT: Ward, Donna T.
APPLICANT: Ward, Donna T.
APPLICANT: Marcusson, Exic G.
APPLICANT: Freier, Susan M.
TITLE OF INVENTION: MODULATION OF HIFIA AND HIF2a EXPRESSION FILE REFERENCE: ISPT-1010
CURRENT FILING DATE: 2003-11-21
PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR PILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patentin version 3.2
SEQ ID NO 219
LENGTH: 20
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5e+02;
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Pred. No. 5e+02;
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; Pred. No. 5e+02
0; Mismatches
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; OTHER INFORMATION: Oligonucleotide primer
US-10-719-370A-219
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1048 ATGCTGCTGCTCATCTTCTT 1067
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ORGANISM: Artificial Sequence
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SEQ ID NO 175
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Best Local Similarity 85.0
Matches 17; Conservative
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US-10-690-276-175
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Best Local Similarity
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## APPLICANT: Swayze, bilc
### APPLICANT: Baker, Brenda F.
### TITLE OF INVENTION: Compositions And Methods For The Treatment Of Severe
### TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
### TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
### TITLE OF INVENTION: Acute Respiratory Syndrome (SARS)
### CURRENT APPLICATION NUMBER: US/10/831, 901A
### CURRENT PILING DATE: 2004-04-26
### PRIOR FILING DATE: 2003-04-28
### PRIOR FILING DATE: 2003-04-30
### PRIOR FILING DATE: 2003-04-06-10
### PRIOR PILING DATE: 2003-04-06-10
### PRIOR PILING DATE: 2003-06-10
### PRIOR PILING DAT
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; GENERAL INFORMATION:
; APPLICANT: Kenneth W. Dobie
; APPLICANT: Bridget Lollo
; TITLE OF INVENTION: MODULATION OF PUMILIO 1 EXPRESSION
; FILE REFERENCE: RTS-0715US
; CURRENT APPLICATION NUMBER: US/10/849,438
; CURRENT APPLICATION NUMBER: US/10/849,438
; SEQ ID NOS: 123
; SEQ ID NO 43
; LENGTH: 20
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Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
1.0%; Score 15.2; DB 1
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches
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US-10-884-866-448/c
; Sequence 448, Application US/10884866
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Hofstadler, Steven A.
Lowery, Kristin Sannes
Swayze, Eric
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ORGANISM: Artificial Sequence
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APPLICANT: Petersen, Deanna M.
APPLICANT: Petersen, Deanna M.
APPLICANT: Petersen, Deanna M.
TILLE OF INVENTION: Immunostimulatory Nucleic Acids for the TITLE OF INVENTION: Treatment of Asthma and Allergy FILE REFERENCE: C1037/7013 (HCL/MAT)
FILE REFERENCE: C1037/7013 (HCL/MAT)
FILE REFERENCE: 2004-04-23
PRIOR APPLICATION NUMBER: US 60/179,991
PRIOR APPLICATION NUMBER: US 60/179,991
PRIOR FILING DATE: 2000-02-03
NUMBER OF SEQ ID NOS: 1093
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 448
                                                                                                                                   APPLICANT: Ward, Donna T.
APPLICANT: Ward, Dobie, Kenneth W.
APPLICANT: Dobie, Kenneth W.
APPLICANT: Marcusson, Eric G.
APPLICANT: Freier, Susan M.
TITLE OF INVENTION: MODULATION OF HIFLA AND HIF2A EXPRESSION FILE REFERENCE: ISPT-1010
CURRENT APPLICATION NUMBER: US/10/719,370A
CURRENT FILING DATE: 2003-11-21
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1.0%; Score 15.2; DB 1; Length 20; Best Local Similarity 85.0%; Pred. No. 5e+02; Matches 17; Conservative 0; Mismatches
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PRIOR APPLICATION NUMBER: US 10/304,126
PRIOR FILING DATE: 2002-11-23
NUMBER OF SEQ ID NOS: 458
SOFTWARE: Patentin version 3.2
SEQ ID NO 337
LENGTH: 20
LENGTH: 20
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; Sequence 29355, Application US/10831901A
; GENERAL INFORMATION:
APPLICANT: Crooke, Stanley T.
; APPLICANT: Seffer, David J.
; APPLICANT: Sempath, Rangarajan
; APPLICANT: Freier, Susan M.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; FEATURE:
; OTHER INFORMATION: Synthetic Sequence
US-10-831-778-448
                                  US-10-719-370A-337/c; Sequence 337, Application US/10719370A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 448, Application US/10831778
GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0%
Matches 17, Conservative
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Isis Pharmaceuticals, Inc.
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APPLICANT: Isis Pharmaceuticals, Inc.
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
TITLE OF INVENTION: EXPRESSION
CURRENT APPLICATION NUMBER: PCT/US02/22746
FILE REFERENCE: ISPH-0694
FILE REPERENCE: 1SPH-0694
FILE REPERENCE: 
                                              Sequence 15665, Application US/60164320
GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Bower, Stanley G.
TITLE OF INVENTION: Xanthomonas campestris Genome Sequences and Uses Thereof FILE REPRENEUS: 38-10(15804)A
CURRENT APPLICATION NUMBER: US/60/164,320
CURRENT FILING DATE: 1999-11-10
NUMBER OF SEQ ID NOS: 18992
LENGTH: 20
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GENERAL INFORMATION:
APPLICANT: Bower, Stanley G.
APPLICANT: Hinkle, Gregory J.
TITLE OF INVENTION: Kanthemona campestris Genome Sequences and Uses Thereof FILE REFERENCE: 38-10(15804)B
CURRENT APPLICATION NUMBER: US/60/183,791
CURRENT PILING DATE: 2000-02-22
NUMBER OF SEQ ID NOS: 18992
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Pred. No. 56
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 15.2;
Pred. No. 5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 365 CCATCTACCACATGTTCATC 384
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                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-60-164-320-15685
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: DNA
; ORGANISM: Xanthomonas campestris
US-60-183-791-15685
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ORGANISM: Artificial Sequence
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Best Local Similarity 85.0
Matches 17; Conservative
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Best Local Similarity
Matches 17; Conserva
RESULT 642
US-60-164-320-15685
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LENGTH: 20
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1.0%; Score 15.2; DB 1; Length 20;
Best.Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
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1.0%; Score 15.2; DB 1; Length 20;
Best Local Similarity 85.0%; Pred. No. 5e+02;
Matches 17; Conservative 0; Mismatches 3; Indels
          GENERAL INFORMATION:

APPLICANT: Krieg, Arthur M.
APPLICANT: Schetter, Christian
APPLICANT: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REFERENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/884,866
CURRENT FILING DATE: 2004-07-02
PRIOR PILING DATE: 2004-07-02
PRIOR FILING DATE: 1090-09-25
PRIOR FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 1145
SEQ ID NO 448
LENGTH: 20
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Sequence 448, Application US/10888803

GENERAL INPORMATION:
APPLICANT: Schetter, Christian
APPLICANT: Schetter, Christian
APPLICANT: Vollmer, Jorg
TITLE OF INVENTION: Immunostimulatory Nucleic Acids
FILE REPRENCE: C1039/7035 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/09/669,187

FRIOR PRILNG DATE: 2004-09-25
PRIOR FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-25
PRIOR FILING DATE: 1999-09-25
PRIOR APPLICATION NUMBER: US 60/156,135
PRIOR PILING DATE: 1999-09-27
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 1999-09-27
PRIOR FILING DATE: 2000-08-23
NUMBER OF SEQ ID NOS: 1145
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 448
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COTHER INFORMATION: Synthetic Sequence
US-10-884-866-448
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ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ORGANISM: Artificial Sequence
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FEATURE:

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; LOCATION: (3572615)...(3572629)
; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 39022
US-10-227-565-36411
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OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 19712
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             APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REPERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/227,565
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SCO ID NO 36411
LENGTH: 15
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GENERAL INFORMATION:
GENERAL INFORMATION:
TAPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Caulobacter crescentus complete genome.
FILE REFERENCE: Jim Zegerr Law Offices - 703-684-8333
CURRENT APPLICATION UNDEBER: US/10/287,787
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 27958
SOFUMARE: POPTIETARY
SEQ ID NO 8739
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
1.0%; Score 15; DB 1; Length 15;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 15; Conservative 0; Mismatches 0; Indels
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Pred. No. 4.1e+02;
0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICAMT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICAMT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Caulobacter crescentus complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/287,787
CURRENT FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 27958
SOFTWARE: Proprietary
                                                                                                                                                                                                                                                                                        ORGANISM: Pseudomonas aeruginosa PA01, complete genome
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ORGANISM: Caulobacter crescentus complete genome.
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ORGANISM: Caulobacter crescentus complete genome.
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; OTHER INFORMATION: Chromosome = 1
US-10-287-787-8739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1.0%; Scor.
100.0%; Pre
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Best Local Similarity 100.0
Matches 15; Conservative
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US-10-287-787-8739
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LENGTH: 15
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APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE CO INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE-2 EX
FILE REPERENCE: ISPH-0588
CURRENT APPLICATION NUMBER: US/09/918,026A
CURRENT FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 15
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; OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 39022
PCT-US02-25943-36411
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Sequence 36411, Application PC/TUS0225943

GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333

CURRENT APPLICATION NUMBER: PCT/US02/25943

CURRENT FILING DATE: 2002-08-27

NUMBER OF SEQ ID NOS: 64158

SOFTWARE: Proprietary

SEQ ID NO 36411

LENGTH: 15
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                                                                       Query Match 1.0%; Score 15; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 4.1e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 4.1
ive 0; Mismatches
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
                                                                                                                                                                                  1238 TCCTTGGTGCCCGGG 1252
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    TYPE: DNA ORGANISM: Artificial Sequence
OTHER INFORMATION: PCR Primer
                                                                                                                                                                                                                15 TCCTTGGTGCCCGGG 1
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Best Local Similarity 100.0
Matches 15; Conservative
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        ; CT-US02-22746-5
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APPLICANT: ROSECTAGEMONICS
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENER
TITLE OF INVENTION: USES THEREOF
FILLE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
KURRENT APPLICATION DATE: 2002-12-19
KUMBER OF SEQ ID NOS: 86801
SOFTWARE: Patentin version 3.1
                                                                                                                                                                                                                                                                                                                                                       ; LOCATION: (3572614)...(3572629)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 39021
PCT-US02-25943-36410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; LOCATION: (3572614)...(3572629)
; OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 39021
US-10-227-565-36410
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GENERAL INFORMATION:
A PAPLICANT.
A PAPLICANT.
A TILLE OF INVENTION: Rechard J.; Global Determinants, Inc.
TILLE OF INVENTION: Peeudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/227,565
NUMBER OF SEQ ID NOS: 64158
SEQ ID NOS: 64158
SEQ ID NO 36410
                                       APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PAO1, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: PCT/USO2/25943
CURRENT FILING DATE: 2002-08-27
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
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100.0%; Pred. No. 4.3e+02;
iive 0; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                TYPE: DNA
ORGANISM: Pseudomonas aeruginosa PA01, complete genome.
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  Sequence 36410, Application PC/TUS0225943
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; Sequence 49189, Application US/10310188
; GENERAL INFORMATION:
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Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.0
Matches 15, Conservative
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; ORGANISM: Homo sapiens
US-10-310-188-49189
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LENGTH: 16
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LENGTH: 16
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APPLICANT: Mark J. Graham
APPLICANT: Mark J. Graham
APPLICANT: Kristina M. Lemonidis
TITLE OF INVENTION: ANTISENSE MODULATION OF ACYL COA CHOLESTEROL ACYLTRANSFERASE?2 EX
FILE REFERENCE: ISPH70694
CURRENT APPLICATION NUMBER: US/10/484,441
CURRENT PILING DATE: 2004-01-29
PRIOR APPLICATION NUMBER: 09/918,026
PRIOR FILING DATE: 2001-07-30
NUMBER OF SEQ ID NOS: 65
LENGTH: 15
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. OTHER INFORMATION: Chromosome = 1 Strand = negative ConnectronObjectNumber = 39022
US-10-367-832A-36411
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: JN Sequence Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,832A
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
SEQ ID NO 36411
LENGTH: 15
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                                               Query Match 1.0%; Score 15; DB 1; Length 15; Best Local Similarity 100.0%; Pred. No. 4.1e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICANT: Rosanne M. Crooke
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Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.0
Matches 15; Conservative
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PCT-US02-25943-36410
US-10-287-787-17784
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RESULT 657

US-09-531-025A-2047/c

Sequence 2047, Application US/09531025A

Sequence 2047, Application US/09531025A

Sequence 2047, Application US/09531025A

Sequence 2047, Application US/09531025A

APPLICANT: Ribozyme Pharmaceuticals, Inc.

APPLICANT: Blatt, Larry

APPLICANT: McSwiggen, Jim

FRIOR REILNG DATE: 1992-05-14

PRIOR APPLICATION NUMBER: US 08/433, 504

PRIOR PLILNG DATE: 1995-05-04

PRIOR PLILNG DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 09/436, 430

PRIOR PLILNG DATE: 1995-05-04

PRIOR APPLICATION NUMBER: US 09/436, 430

NUMBER OF SEQ ID NOS: 6341

SEQ ID NO 2047

LENGTH: 17

WANDER OF SEQ ID NOS: 6341

SEQ ID NO 2047

LENGTH: 17
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Sequence 845, Application US/09636385
GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaccuticals, Inc.
APPLICANT: Diagor, Kenneth
APPLICANT: Diagor, Kenneth
APPLICANT: McSwiggen, Jim
FILE REFERENCE: MBHB00-845-F (250/125)
CURRENT FILING DATE: 12000-08-09
PRIOR APPLICATION NUMBER: US 07/882,712
PRIOR FILING DATE: 1994-05-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6341
SOFTWARE: Patentin version 3.0
SOFTWARE: Patentin version 3.0
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100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0;
   263 GITCCIIGAGCAGGA 277
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Best Local Similarity
Matches 15; Conserv
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US-09-531-025A-2047
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APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Morrissey, Dave
TTLE BEPERENCE: MORRISSEY, Dave
TTLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: MBHB00-845-E (247/277)
CURRENT APPLICATION NUMBER: US 07/882,712
PRIOR PILING DATE: 1924-05-14
PRIOR PLING DATE: 1934-05-14
PRIOR PLING DATE: 1935-05-04
PRIOR PLING DATE: 1995-05-04
PRIOR PLING DATE: 1995-01-08
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OTHER INFORMATION: Chromosome = 1 Strand = positive ConnectronObjectNumber = 39021
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GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.
TITLE OF INVENTION: Pseudomonas aeruginosa PA01, complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333
CURRENT APPLICATION NUMBER: US/10/367,832A
CURRENT FILING DATE: 2002-08-26
NUMBER OF SEQ ID NOS: 64158
SOFTWARE: Proprietary
SEQ ID NO 36410
LENGTH: 16
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   DB 1; Length 16; 4.3e+02;
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                                                             0; Indels
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1.0%; Score 15; DB 100.0%; Pred. No. 4.3 tive 0; Mismatches
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                                                                                                                               834 AACACTCATCTACAG 848
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                             Best Local Similarity 100.0
Matches 15; Conservative
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US-10-367-832A-36410
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      Query Match
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APPLICANT: Draper, Ken
APPLICANT: Draper, Ken
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Morrisaey, Dave
TITLE OF INVENTION: Method and Reagent for Ihibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/001
CURRENT APPLICATION NUMBER: US/09/696,347
CURRENT APPLICATION NUMBER: US/09/636,385
PRIOR APPLICATION NUMBER: US/09/631,025
PRIOR PILING DATE: 2000-03-09
PRIOR FILING DATE: 1992-05-14
PRIOR PILING DATE: 1994-02-07
PRIOR PILING DATE: 1995-05-04
PRIOR PILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-01-08
NUMBER OF SEQ ID NOS: 6389
SOFTWARE: PRECEDIT VERSION 3.0
SEQ ID NO 2047
LENGTH: 17
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US-09-848-754A-144/c
; Sequence.144, Application US/09848754A
; GEQUENCE.144, Application US/09848754A
; GENERAL INFORMATION:
; APPLICANT: Ribozyme Pharmaceuticals, Inc.
; TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relatec
; TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors
; TITLE OF INVENTION: Levels (400/018)
; FILE REFERENCE: MBHB00-958-I (400/018)
; CURRENT APPLICATION NUMBER: US/09/848,754A
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100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0; Indels
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PRIOR FILING DATE: 1995-05-04
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6389
SOFTWARE: Patentin version 3.0
SEQ ID NO 845
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    RESULT 661
US-09-696-347-2047/c
; Sequence 2047, Application US/09696347
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                   263 GTTCCTTGAGCAGGA 277
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                                                                                                                                                                                     TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-09-696-347-845
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Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity
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APPLICANT: Draper, Kenneth
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Moswiggen, Jim
CURRENT APPLICANT: Moswigsey, David (250/125)
CURRENT APPLICATION NUMBER: US 07/882,712
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR FILING DATE: 1992-03-20
PRIOR APPLICATION NUMBER: US 08/193,627
PRIOR PILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6341
SEQ ID NO 2047
ANOMER : PatentIn version 3.0
SEQ ID NO 2047
ANOMER : PatentIn version 3.0
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APPLICANT: Blatt, Larry
APPLICANT: Mcsviggen, Jim
FILLS REPERENCE: 400/001
FILLS REPERENCE: 400/001
FILLS REPERENCE: 400/001
FILLS REPERENCE: 400/001
FILLS PRICATION NUMBER: US/956,347
CURRENT FILLNG DATE: 2000-10-24
PRIOR APPLICATION NUMBER: US 09/531,025
PRIOR PILLNG DATE: 2000-03-20
PRIOR FILLNG DATE: 1992-05-14
PRIOR FILLNG DATE: 1992-05-14
PRIOR FILLNG DATE: 1992-05-07
PRIOR APPLICATION NUMBER: US 08/133,993
PRIOR FILLNG DATE: 1995-05-04
PRIOR FILLNG DATE: 1995-05-04
PRIOR FILLNG DATE: 1995-05-04
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                                                      1.0%; Score 15; DB 1; Length 17;
100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Ribozyme Pharmaceuticals, Inc.
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                                                                                                                                                               263 GTTCCTTGAGCAGGA 277
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                                                    Query Match
Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.0
Matches 15; Conservative
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     US-09-636-385-845
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APPLICANT: ALDCANT: ALDCANT: ALGORITHM APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Blatt, Larry
APPLICANT: Mcswiggen, Jim
CURRENT FILING DATE: 2001-12-31
PRIOR PLICATION NUMBER: US 09/531, 025
PRIOR PLICATION NUMBER: US 09/536, 385
PRIOR PLICATION NUMBER: US 09/636, 347
PRIOR PLICATION NUMBER: US 08/636, 347
PRIOR PLING DATE: 1095-05-07
PRIOR PLING DATE: 1095-05-07
PRIOR PLING DATE: 1995-05-07
PRIOR PLING DATE: 1995-05-07
PRIOR PLING DATE: 1995-05-04
PRIOR PRING APPLICATION NUMBER: US 09/436,430
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APPLICANT: Brack. Kenneth
APPLICANT: Black. Larry
APPLICANT: McSatgen, Jim
FILE REFERENCE: MBHB00-845-H (400/029)
CURRENT FILING DATE: 2001-12-31
PRIOR FILING DATE: 2000-03-20
PRIOR FILING DATE: 2000-03-20
PRIOR FLING DATE: 2000-06-09
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 2000-10-24
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1994-02-07
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-04
PRIOR FILING DATE: 1995-05-06
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                                                                                   APPLICANT: Ribozyme Pharmaceuticals, Inc. APPLICANT: Draper, Kenneth
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                            Sequence 845, Application US/09877478 GENERAL INFORMATION:
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100.0%; Pre
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SOFTWARE: PatentIn version 3.0
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ORGANISM: Hepatitis B virus
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Best Local Similarity 100.C
Matches 15; Conservative
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US-09-877-478-2244/c
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Sequence 1112, Application US/09848754A

GENERAL INFORMATION:

A SEQUENCE 1112, Application US/09848754A

GENERAL INFORMATION:

A TITLE OF INVENTION: Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors

TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors

TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors

TITLE OF INVENTION: Levels of Epidermal Growth Factor Receptors

CURRENT FILING DATE: 2001-05-03

NUMBER OF SEQ ID NOS: 9645

SOFTWARE: Patentin version 3.0

SEQ ID NO 1112

LENGTH: 17
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
APPLICANT: Ribozyme Enzymatic Nucleic Acid Treatment of Diseases or Conditions Relate TITLE OF INVENTION: Enzymatic Repidermal Growth Factor Receptors
FILE REFERENCE: MBHB00-958-I (400/018)
CURRENT APPLICATION NUMBER: US/09/848,754A
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
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100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 4.6e+02;
tive 0; Mismatches 0; Indels
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100.0%; Pred. No. 4.6
ive 0; Mismatches
CURRENT FILING DATE: 2001-05-03
NUMBER OF SEQ ID NOS: 9645
SOFTWARE: Patentin version 3.0
SEQ ID NO 144
LENGTH: 17
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Best Local Similarity 100.0
Matches 15; Conservative
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Best Local Similarity 100.0
Matches 15; Conservative
                                                                                                                                                                                                                                                                                 Best Local Similarity 100.
Matches 15; Conservative
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ORGANISM: Homo sapiens
                                                                                                                                                                         ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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US-09-848-754A-1113/c
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                                                                                                                                             TYPE: RNA
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APPLICANT: Elisabeth, Roberts
APPLICANT: Elisabeth, Roberts
TITLE OF INVENTION: OLICOMUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS AND HEPAT
TITLE OF INVENTION: OLICOMUCLEOTIDE MEDIATED INHIBITION OF HEPATITIS B VIRUS REPLICATION
FILE REPERENCE: 400/04208 (MBHB02-249-E)
CURRENT APPLICATION NUMBER: US/10/669,841
CURRENT APPLICATION NUMBER: US 60/296,876
PRIOR PRILING DATE: 2003-03-26
PRIOR PILING DATE: 2001-06-08
PRIOR PELING DATE: 2001-10-26
PRIOR PELING DATE: 2001-12-05
PRIOR APPLICATION NUMBER: US 60/337,055
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-02-20
PRIOR PELING DATE: 2002-03-26
PRIOR PELING DATE: 2002-03-16
PRIOR PELING DATE: 2002-03-16
PRIOR PELING DATE: 2000-03-36
PRIOR PELING PELING
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CURRENT APPLICATION NUMBER: US/10/342,902
CURRENT FILING DATE: 2003-01-15
PRIOR PLILING DATE: 2003-01-15
PRIOR FILING DATE: 2001-06-08
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-03-20
PRIOR PLING DATE: 2000-03-4
PRIOR PRILING DATE: 2000-10-24
PRIOR PLING DATE: 2000-10-24
PRIOR PLING DATE: 2000-10-24
PRIOR PLING DATE: 2000-10-24
PRIOR PLING DATE: 1994-02-07
PRIOR PLING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6592
SOFTWARR: PARCENTIN VERSION 3.2
SERNGTH: 17
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APPLICANT: Sirna Therapeutics, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             261 AGGTTCCTTGAGCAG 275
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David, Morrissey
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Patrice, Lee
Kenneth, Draper
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Dennis, Macejak
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APPLICANT: BIATR Therapeutics, Inc.
APPLICANT: Biatra Therapeutics, Inc.
APPLICANT: Blatt, Larry
APPLICANT: Mocrissey, Jaw
APPLICANT: Mocrissey, Dave
TITLE OF INVENTION: Method and Reagent for Inhibiting Hepatitis B Virus Replication
FILE REFERENCE: 400/075 (MBHB00-845-1)
CURRENT PELING DATE: 2003-01-15
CURRENT PELING DATE: 2000-01-20
PRIOR APPLICATION NUMBER: US 09/831,025
PRIOR PELING DATE: 2000-03-20
PRIOR PELING DATE: 2000-00-20
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1994-02-07
PRIOR PELING DATE: 1992-05-14
PRIOR APPLICATION NUMBER: US 09/436,430
PRIOR PELING DATE: 1992-05-14
PRIOR PELING DATE: 1993-11-08
PRIOR PELIN
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100.0%; Pred. No. 4.6e+02;
ive 0; Mismatches 0; Indels
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GENERAL INFORMATION:
APPLICANT: Sirne Therapeutics, Inc.
APPLICANT: Blatt, Larry
APPLICANT: McSwiggen, Jim
APPLICANT: McSwiggen, Jim
TITLE OF INVENTION: Method and Reagent first or Invention:
FILE REFERENCE: 400/075 (MBHB00-845-I)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 845, Application US/10342902
GENERAL INFORMATION:
                  PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 6586
SOFFWARE: PatentIn version 3.0
SEQ ID NO 2244
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                                                                                                                                                                                                                                                TYPE: RNA
CAGANISM: Hepatitis B virus
US-09-877-478-2244
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7 ORGANISM: Hepatitis B virus
US-10-342-902-845
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US-10-342-902-2244/c
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        Sequence 167, Application US/60330323
Sequence 167, Application US/60330323
GENERAL INFORMATION:
APPLICANT: Zhang, Jian
TITLE OF INVENTION: HUMAN GTP-ACTIVATOR PROTEIN FOR RAB-LIKE GTPASE
FILE REPERENCE: AEOMICA-20
CURRENT APPLICATION NUMBER: US/60/330,323
CURRENT FILING DATE: 2001-10-15
NUMBER: OF SEQ ID NOS: 612
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 167
LENGTH: 17
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Sequence 168 Application US/60330323

GENERAL INFORMATION:

APPLICANT: Zhang, Jian

TITLE OF INVENTION: HUMAN GIP-ACTIVATOR PROTEIN FOR RAB-LIKE GIPASE

FILLE REPERSHOUR: ADMICA-20

CURRENT APPLICATION NUMBER: US/60/330,323

CURRENT FILING DATE: 2001-10-15

NUMBER OF SEQ ID NOS: 612

SOFTWARE: Aeomica Sequence Listing Engine

SEQ ID NO 168
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TITLE OF INVENTION: HUMAN GTP-ACTIVATOR PROTEIN FOR RAB-LIKE GTPASE
FILE REFERENCE: AEOMICA-20
CURRENT APPLICATION NUMBER: US/60/330,323
CURRENT FILING DATE: 2001-10-15
NUMBER OF SEQ ID NOS: 612
SOFTWARE: Aeomica Sequence Listing Engine
SEQ ID NO 169
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Pred. No. 4.6e+02;
0; Mismatches 0;
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US-60-330-323-169
; Sequence 169, Application US/60330323
; GENERAL INFORMATION:
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100.0%; Pre
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Best Local Similarity 100.0
Matches 15; Conservative
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US-60-330-323-169
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Matches 15; Conserv
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Matches 15; Conser
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US-60-330-323-167
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NUMBER OF SEQ ID NOS: 16207
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red. No. 4.6e+02;
Mismatches 0; Indels
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                                                                                                                                                                                           1.0%; Score 15;
100.0%; Pred. No.
tive 0; Mismatch
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GENERAL INFORMATION:
  SOFTWARE: PatentIn version 3.0
                                                                                                                                                                                                                                                                                                           263 GTTCCTTGAGCAGGA 277
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                                                                                ; TYPE: RNA
; ORGANISM: Hepatitis B Virus
US-10-669-841-845
                                                                                                                                                                                                                                                                                                                                                               17 GTTCCTTGAGCAGGA 3
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; ORGANISM: Hepatitis B Virus
US-10-669-841-2047
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Best Local Similarity 100.0
Matches 15; Conservative
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                         SEQ ID NO 845
LENGTH: 17
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Sequence 62937, Application US/10714333A

GENERAL INPORMATION:
GENERAL INPORMATION:
APPLICANT: TRYNOIGE, Angela
APPLICANT: Reynoide, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
TITLE OF INVENTION: Functional and Hyperfunctional
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional BiRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOCYMARE: PROPRIETATY
SEQ ID NO 15788
LENGTH: 19
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Pred. No. 5.1e+02;
3; Mismatches 0; Indels
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; Sequence 89683, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Rhyorova, Anastasia
; APPLICANT: Reynolds, Angela
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Marshall, William
Scaringe, Stephen
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Best Local Similarity 80.v.
The 12; Conservative
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ORGANISM: Homo sapiens
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APPLICANT: ROSELEGEMONICS

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

TITLE OF INVENTION: USES THEREOF

CURRENT APPLICATION UNMBER: US/10/310,188

CURRENT PILING DATE: 2002-12-19

NUMBER OF SEQ ID NOS: 86841

SEQ ID NO 71964

LENGTH: 18
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APPLICANT: Character, Anaetasia
APPLICANT: Rhvorova, Anaetasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 15688
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--- 0; Indels
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4.8e+02;
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80.0%; Pred. No. 5.1e+02
tive 3; Mismatches
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1.0%; Score 15; DB
Best Local Similarity 100.0%; Pred. No. 4.8
Matches 15; Conservative 0; Mismatches
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US-10-714-333A-15688
'Sequence 15688, Application US/10714333A
; GENERAL INFORMATION:
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GENERAL INFORMATION:
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Matches 12; Conservative
                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-71964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , ORGANISM: Homo sapiens
US-10-714-333A-15688
                                                                                                             US-10-310-188-71964/c
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Gaps

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APPLICANT: Characton, Inc., APPLICANT: Characton, Inc., APPLICANT: Characton, Inc., APPLICANT: Reyonolds, Angela APPLICANT: Reyonolds, Angela APPLICANT: Resyonolds, Angela APPLICANT: Leake, Devin APPLICANT: Castinge, Stephen APPLICANT: Scaringe, Stephen TTILE REFERENCE: 13499US SCURRENT APPLICATION NUMBER: US/10/714,333A CURRENT PLILING DATE: 2003-11-14 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR FILING DATE: 2003-11-14 PRIOR FILING DATE: 2002-11-14 PRIOR FILING DATE: 2002-11-14 STORMER: FILING DATE: 2002-11-14 STORMER: Proprietary SQUID NOS: 1591911 SORTWARE: Proprietary
                                                                                                                                                                                                                                                                                                                   Length 19;
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERBLOE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
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100.0%; Pred. No. 5.1e+02;
tive 0; Mismatches 0;
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100.0%; Pred. No. 5.1e+02;
trive 0; Mismatches 0;
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; Sequence 246623, Application US/10714333A; GENERAL INFORMATION:
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CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR PILING DATE: 2003-09-10

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SEQ ID NO 172875

LENGTH: 19
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Best Local Similarity 100.0
Matches 15, Conservative
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Best Local Similarity 100.0'
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; ORGANISM: Homo sapiens
US-10-714-333A-172875
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; ORGANISM: Homo sapiens
US-10-714-333A-246623
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US-10-714-333A-140460/c
Sequence 140460, Application US/10714333A
SEQUENCE 140460, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reyrolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Responder, Angela
APPLICANT: Responder, Angela
APPLICANT: Responder, Angela
CURRENT MATERICATION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/520,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Sequence 172875, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Marshall, William

APPLICANT: Marshall, William

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REPRENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1.0%; Score 15; DB 1; Length 19; 100.0%; Pred. No. 5.1e+02; ative 0; Mismatches 0; Indels
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  TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                      FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR PILING DATE: 2003-0-0
PRIOR FILING DATE: 2003-0-10
PRIOR FILING DATE: 2003-0-10
FRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-89683
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US-10-714-333A-140460
                                                                                                                                                                                                                                                                                             TYPE: RNA
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Matches
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Sequence 61637, Application US/10714333A;
Sequence 61637, Application US/10714333A;
Sequence 61637, Application US/10714333A;
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorcova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondis, Angela
APPLICANT: Searinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA;
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PELICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    APPLICANT: Khorocoa, Anactasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 616270
LENGTH: 19
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                                                                                                                                                                                       Length 19;
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Best Local Similarity 86.7%; Pred. No. 5.1e+02;
Matches 13; Conservative 2; Mismatches 0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 616270, Application US/10714333A; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                             1223 AGGATGGGCTGCGGC 1237
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US-10-714-333A-616247
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SOFTWARE: Proprietary
SEQ ID NO 616247
LENGTH: 19
TYPE: RNA
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GENERAL INFORMATION:
APPLICANT: Dharmacon. Inc.
APPLICANT: Characon. Inc.
APPLICANT: Characon. Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Rese, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 616176
LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Bearinge, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
CURRENT PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                 Query Match 1.0%; Score 15; DB 1; Length 19; Best Local Similarity 100.0%; Pred. No. 5.1e+02; Matches 15; Conservative 0; Mismatches 0; Indels
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Pred. No. 5.1e+02;
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PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETARY
SEQ ID NO 372173
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                          815 TCTACTTCCTCTT 829
                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-372173
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ) ORGANISM: Homo sapiens US-10-714-333A-616176
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US-10-714-333A-616247
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APPLICANT: Khorova, Anaerasia
APPLICANT: Khorova, Anaerasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1338802
LENGTH: 19
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1415480
LENGTH: 19
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                               Length 19;
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100.0%; Pred. No. 5.1e+02;
                            Query Match
1.0%; Score 15; DB 1; I
Best Local Similarity 53.3%; Pred. No. 5.1e+02;
Matches 8; Conservative 7; Mismatches 0;
                                                                                                                                                                                                                                                                                                    Sequence 1338802, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Characon, Inc.
APPLICANT: KNVOZOVA, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-714-333A-1415480/c
; Sequence 1415480, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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                                                                                                                                 387 TGGCCTGTGTGTCTT 401
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Matches 8; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1338802
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ORGANISM: Homo sapiens
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Best Local Similarity
                                                                                                                                                                                                                                                          RESULT 689
US-10-714-333A-1338802
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APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Respondes, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PELING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 730619
LENDRY: 19
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Sequence 1058176, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Kroorova, Ansetasia
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PELICATION NUMBER: 60/426,137
PRIOR PELICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
SOFTWARE: Proprietary
SEQ ID NO 1058176
LENGTH: 19
                                                                                                      1.0%; Score 15; DB 1; Length 19; 86.7%; Pred. No. 5.1e+02; ative 2; Mismatches 0; Indels
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                                                                                                                                                                                                                                                                                                                                 RESULT 687
US-10-714-333A-730619/c
; Sequence 730619, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                      Query Match
Best Local Similarity 86.7<sup>3</sup>
Matches 13; Conservative
                            ; ORGANISM: Homo sapiens
US-10-714-333A-616337
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          , ORGANISM: Homo sapiens
US-10-714-333A-730619
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US-10-714-333A-1058176
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US-10-714-333A-1058176
; TYPE: RNA
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: 1818 Pharmaceuticals, Inc.
APPLICANT: GENERAL Sequeline Wyatt
APPLICANT: Jacqueline Wyatt
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: OLIGONUCLEOTIDE MODULATION OF HER-1 EXPRESSION
FILE REFERENCE: RTSP-0187
CURRENT APPLICATION NUMBER: PCT/USO1/30551
CURRENT FILING DATE: 2001-09-28
PRIOR APPLICATION NUMBER: 09/676,610
PRIOR APPLICATION NUMBER: 09/676,610
PRIOR APPLICATION NUMBER: 09/676,610
NUMBER OF SEQ ID NOS: 182
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SUBJECT. INTERMATION:
APPLICANT: Lex M. Cowsert
APPLICANT: Jacqueline Wyatt
APPLICANT: Gacqueline Wyatt
APPLICANT: Susan M. Freier
APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Robert McKay
TITLE OF INVENTION: ANTISENSE MODULATION OF PTPIB EXPRESSION
TITLE OF INVENTION: NUMBER: PCT/USO2/15301
CURRENT FILING DATE: 2002-05-13
PRIOR FILING DATE: 2001-05-14
NUMBER OF SEQ ID NOS: 389
SEQ ID NO 174
LENGTH: 20
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1.0%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 15; Conservative 0; Mismatches 0;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         RESULT 694
PCT-US02-15301-174/c
; Sequence 174, Application PC/TUS0215301
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           340 CTGATGGAGGTGCAG 354
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ORGANISM: Artificial Sequence
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APPLICANT: Lex M. Cowsert
APPLICANT: Lex M. Cowsert
APPLICANT: Jacqueline Wyatt
TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
FILE REPERENCE: RYSP-0086
CURRENT PILING DATE: 2001-01-04
PRIOR APPLICATION NUMBER: 09/487,368
PRIOR PILING DATE: 2000-01-18
PRIOR PILING DATE: 2000-01-18
SEC ID NO 174
LENGTH: 20
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APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PILING DATE: 2003-11-14
PRIOR PAPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 5002-11-14
SOUTHARE: PROPRIECATY
SEQ ID NOS: 1591911
SENGTH: 19
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0; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 1.0%; Score 15; DB Best Local Similarity 73.3%; Pred. No. 5.1e Matches 11; Conservative 4; Mismatches
Mismatches
                                                                                                                                                          RESULT 691
US-10-714-333A-1507089
; Sequence 1507089, Application US/10714333A; GENERAL INFORMATION:
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                                            818 ACTICCICITCIGCC 832
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ORGANISM: Artificial Sequence
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Best Local Similarity 100.0
Matches 15; Conservative
15; Conservative
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ORGANISM: Homo sapiens
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Matches
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Sequence 15621, Application PC/TUS0341761
GENERAL INFORMATION:
APPLICANT: MAI GENOMICS, INC.
APPLICANT: CHARTERIS, Paul
APPLICANT: ROSENFELD, David
APPLICANT: ROSENFELD, David
APPLICANT: BATES, Stephen
TITLE OF INVENTION: COMPOSITIONS, METHODS, AND SYSTEMS FOR INFERRING BOVINE BREED
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Sequence 171, Application US/10380931

Sequence 171, Application US/10380931

Sequence 171, Application US/10380931

Sequence 171, Application US/10380931

Sequence 172, APPLICANT: Sharmaceuticals, Inc.

APPLICANT: G. Frank Bennett

APPLICANT: G. Gaqueline Wyatt

APPLICANT: Susan M. Freier

TITLE OF INVENTION: OLIGONUCLEOTIDE INHIBITION OF HER-1 EXPRESSION

FILE REFERENCE: RYSP-0.187

CURRENT APPLICATION NUMBER: US/10/380,931

CURRENT FILING DATE: 2003-03-18

PRIOR FILING DATE: 2000-09-29

NUMBER OF SEQ ID NOS: 182

LENGTH: 20
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                                                                                                    APPLICANT: Robert MCKAY
TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
FILE REFERENCE: ISPH-0576
CURRENT APPLICATION UNMER: US/10/360,510
CURRENT APPLICATION NUMBER: US/09/884,883
FRIOR APPLICATION NUMBER: US/09/884,883
PRIOR APPLICATION NUMBER: US/09/864
PRIOR APPLICATION NUMBER: US/09/629,644
PRIOR APPLICATION NUMBER: US/09/487,368
PRIOR APPLICATION NUMBER: US/09/487,368
PRIOR APPLICATION NUMBER: US/09/487,368
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 389
; SEQ ID NO 174
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; OTHER INFORMATION: Antisense Oligonucleotide US-10-360-510-174
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; OTHER INFORMATION: Antisense Oligonucleotide US-10-380-931-171
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             245 TGCCCCCACCTCCCC 259
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ORGANISM: Artificial Sequence
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PCT-US03-41761-15621/c
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Brett P. Monia
APPLICANT: Madeline M. Butler
APPLICANT: Robert McKay
APPLICANT: Robert McKay
TITLE OF INVENTION: ANTISENSE MODULATION OF PTP1B EXPRESSION
FILE REFERENCE: BIOLO001WO.4
CURRENT APPLICATION NUMBER: PCT/USO4/02003
CURRENT FILING DATE: 2004-02-06
NUMBER OF SEQ ID NOS: 415
SEQ ID NO 174
TYPE: ...
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APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Susan M. Freier
APPLICANT: Madeline M. Butler
APPLICANT: Robert M. Butler
APPLICANT: Madeline M. Butler
APPLICANT: MATISENSE MODULATION OF PTPIB EXPRESSION
CURRENT APPLICATION NUMBER: US/09/854,883
CURRENT FILING DATE: 2001-05-14
PRIOR FILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-07-31
PRIOR FILING DATE: 2000-01-18
NUMBER OF SEQ ID NOS: 389
LENGTH: 20
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1.0%; Score 15; DB 1; Le
Best Local Similarity 100.0%; Pred. No. 5.3e+02;
Matches 15; Conservative 0; Mismatches 0;
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CRANISM: Artificial Sequence
FEATURE: THE INFORMATION: Antisense Oligonucleotide
PCT-US04-02003-174
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APPLICANT: Lex M. Cowsert APPLICANT: Jacqueline Wyatt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 174, Application US/09854883; GENERAL INFORMATION:
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Brett P. Monia
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US-10-360-510-174/c
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; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-26628
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Best Local Similarity
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US-10-310-188-26628
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DATE: 1992
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APPLICANT: HOLM, Tom
APPLICANT: BATES, Stephen
APPLICANT: BATES, Stephen
TITLE OF INVENTION: COMPOSITIONS, METHODS AND SYSTEMS FOR INFERRING BOVINE TRAITS
FILE REPREBRUE: MM11100WO
CURRENT APPLICATION NUMBER: DCT/US03/41766A
CURRENT FILING DATE: 2003-12-31
PRIOR PEDIOR POSE: 2002-12-31
NUMBER OF SEQ ID NOS: 64922
SOFTWARE: Patentin version 3.1
SEQ ID NO 15621
TYPE-
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APPLICANT: O'MAILEN, Karen L
APPLICANT: Todd, Richard D
TITLE OF INVENTION: Gene Encoding the Rat Dopamine D4 Receptor PILE REFERENCE: WI 102 CON DIV(2)
CURRENT APPLICATION NUMBER: US/10/241,313
CURRENT FILING DATE: 2002-09-11
PRIOR PILING DATE: 1995-06-07
PRIOR FILING DATE: US/20/21,293
                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 14.8; DB 1; Length 18; Best Local Similarity 88.9%; Pred. No. 5.1e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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FILE REFERENCE: MAILISOWO

CURRENT APPLICATION NUMBER: PCT/USO3/41761

CURRENT FILING DATE: 2003-12-31

FRIOR APPLICATION NUMBER: US 60/437,482

PRIOR FILING DATE: 2002-12-31

NUMBER OF SEQ ID NOS: 64922

SOFTWARE: PatentIN version 3.1

SERGID NO 15621
                                                                                                                                                                                                                                                           CTHER INFORMATION: Forward Primer PCT-US03-41761-15621
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GENERAL INFORMATION:
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                                                                                                                                                                                                                   ORGANISM: Artificial sequence
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                                                                                                                                                                                                  TYPE: DNA
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Sequence 26628, Application US/10310188
GENERAL INFORMATION:
APPLICANT: Rosettademonics
TITUE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENEE
TITUE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT APPLICATION NUMBER: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
SEQ ID NO 26628
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US-10-310-188-42100
Sequence 42100, Application US/10310188
Sequence 42100, Application US/10310188
Sequence 42100, Application US/10310188
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENEE
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION: USES THEREOF
TITLE OF INVENTION UMBER: US/10/310,188
CURRENT FALING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
SEQ ID NO 42100
LENGTH: 18
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OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Description of Artificial Sequence:
OTHER INFORMATION: Complementary to nucleotides 2389-2406 in SEQ ID NO:1
OTHER INFORMATION: Complementary to nucleotides 2389-2406 in SEQ ID NO:1
DELICATION INFORMATION:
TITLE: The rat dopamine D4 receptor: sequence, gene structure
TITLE: and demonstration of expression in the cardiovascular
JOHRNAL: New Biol.
VOLUME: 4
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PRIOR FILING DATE: 1994-06-16
PRIOR APPLICATION NUMBER: US 08,
PRIOR FILING DATE: 1993-01-28
NUMBER OF SEQ ID NOS: 16
SOFTWARE: PATENTIN VET. 2.0
SEQ ID NO 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%;
                                                                                                                                                                                         TYPE: DNA ORGANISM: Artificial Sequence
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Sequence Typpication US/10449801A

Sequence Typpication US/10449801A

GENERAL INFORMATION:
APPLICANT: HE Ming Liang
APPLICANT: LIN, Marie Chia Mi
TITLE OF INVENTION: A New Method For the Quantification of HBV cccDNA by Real Time PCF
FILE REFERENCE: LIN, MARERENCE: 1.1
CURRENT FILING DATE: 2003-05-29
FRICA APPLICATION NUMBER: 60/383,953
FRICA APPLICATION NUMBER: 00/383,953
FRICA APPLICATION NUMBER: 00/383,953
FRICA APPLICATION NUMBER: 60/383,953
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                                                                                                            APPLICANT: ZAMILL, SCOTT S.
APPLICANT: STEINMAN, LARRENCE
APPLICANT: TOUSSET S.
TITLE OF INVENTION: USE OF STATINS IN THE TREATMENT OF INVENTION: USE OF STATINS IN THE TREATMENT OF TITLE OF INVENTION: WINDIMMUNE DISEASE
TITLE OF INVENTION: AUTOIMMUNE DISEASE
FILE REFERENCE: STAA-262US2
CURRENT APPLICATION NUMBER: US/10/404,922
CURRENT FILING DATE: 2003-03-31
FRIOR FILING DATE: 2003-03-03
NUMBER OF SEQ ID NOS: 12
SEQ ID NOS: 12
SEQ ID NO 11
LENGTH: 18
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88.9%; Pred. No. 5.1e+02;
tive 0; Mismatches 2;
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Pred. No. 5.1e+02;
0; Mismatches 2;
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GENERAL INFORMATION:
APPLICANT: MMI GENOMICS, INC.
APPLICANT: DelISE, Sue K.
APPLICANT: CHARTERIS, Paul
APPLICANT: ROSENPELD, David
APPLICANT: HOLM, Tom
             US-10-404-922-11
; Sequence 11, Application US/10404922
; GENERAL INFORMATION:
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; OTHER INFORMATION: synthetic DNA
US-10-449-801A-7
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity
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; ORGANISM: mouse
US-10-404-922-11
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GENERAL INFORMATION:
APPLICANT: RosettaGemonics
APPLICANT: RosettaGemonics
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 47487
CURRENT PELING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SEQ ID NO 61795
LENGTH: 18
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APPLICANT: GARREN, HIDEK
TITLE OF INVENTION: USE OF STATINS AND OTHER
TITLE OF INVENTION: USE OF STATINS AND OTHER
TITLE OF INVENTION: IMMUNODULATORY AGENTS IN THE TREATMENT OF AUTOIMMUNE
TITLE OF INVENTION: DISEASE
FILE REFERENCE: STAN-262
CURRENT APPLICATION NUMBER: US/10/404,679
CURRENT APPLICATION NUMBER: 60/368,803
PRIOR FILING DATE: 2002-03-31
PRIOR FILING DATE: 2002-03-29
NUMBER OF SEQ ID NOS: 75
SOFTWARE: PASESEQ for Windows Version 4.0
SEQ ID NO 70
LENGTH: 18
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Pred. No. 5.1e+02;
0; Mismatches 2; Indels
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0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                             43 GGGCTGGGAGGGGAGCGG 60
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens
US-10-310-188-61795
                           ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                            RESULT 704
US-10-310-188-61795/c
                                                            US-10-310-188-42100
; TYPE: DNA
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PRIOR FILING DATE: 2001-10-05
PRIOR APPLICATION NUMBER: 60/327,917
PRIOR FILING DATE: 2001-10-09
PRIOR FILING DATE: 2001-10-09
PRIOR FILING DATE: 2001-10-09
PRIOR PLING DATE: 2001-10-09
PRIOR PILING DATE: 2001-10-09
PRIOR PILING DATE: 2001-10-12
PRIOR PILING DATE: 2001-10-12
PRIOR PILING DATE: 2001-10-12
PRIOR PILING DATE: 2001-10-12
PRIOR PLING DATE: 2001-10-17
PRIOR PLING DATE: 2001-10-17
PRIOR PLING DATE: 2001-10-17
PRIOR PLING DATE: 2001-10-17
PRIOR PLING DATE: 2001-10-24
PRIOR PLING DATE: 2011-0-29
PRIOR PLING DATE: 2011-0-29
PRIOR PLING DATE: 2011-0-29
PRIOR PRIOR APPLICATION NUMBER: 60/349,575
PRIOR PRIOR DATE: 2011-10-29
PRIOR PRIOR DATE: 2011-10-29
PRIOR PLING DATE: 2011-10-29
PRIOR PRIOR DATE: 2011-10-29
PRIOR APPLICATION NUMBER: 60/349,575
PRIOR PLING DATE: 2011-10-29
PRIOR APPLICATION NUMBER: 60/349,575
PRIOR PRIO
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1044 CTTCATGCTGCTCAT 1061
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ORGANISM: Artificial Sequence
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TITLE OF INVENTION: COMPOSITIONS, METHODS, AND SYSTEMS FOR INFERRING BOVINE BREED
FILE REFERENCE: MMI1150
FILE REFERE
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GENERAL INFORMATION:
GENERAL INFO
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APPLICANT: Naess, Sara Kristine
APPLICANT: Song, Jungi
APPLICANT: Jiang, Jiming
APPLICANT: Bradeen, James Mathew
APPLICANT: Buell, C. Robin
TITLE OF INVENTION: POTATO GENES FOR RESISTANCE TO LATE BLIGHT
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0.9%; Score 14.8; DB 1; Length 18;
Best Local Similarity 88.9%; Pred. No. 5.1e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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0.9%; Score 14.8; I
Best Local Similarity 88.9%; Pred. No. 5.16
Matches 16; Conservative 0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/755,966
CURRENT FILING DATE: 2004-01-12
PRIOR APPLICATION NUMBER: US 60/439,376
PRIOR FILING DATE: 2003-01-10
NUMBER OF SEQ ID NOS: 125
SOFTWARE: Patentin version 3.2
LENGTH: 18
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GENERAL INFORMATION:
APPLICANT: Helgeson, John P.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: 60/327,454
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Length 19; 2; Indels

APPLICANT: Fosnaugh, Kathy
APPLICANT: Jamison, Sharon
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
FILE REFERENCE: 400/081 (MBHB 02-468-B)
CURRENT APPLICATION NUMBER: PCT/US03/05045 PRIOR FILING DATE: 2003-00-00
PRIOR FLING DATE: 2002-07-03
PRIOR PLING DATE: 2002-07-03
PRIOR PLING DATE: 2002-09-19
PRIOR FILING DATE: 2002-09-19
PRIOR FILING DATE: 2002-09-19
PRIOR PLING DATE: 2002-06-06
PRIOR PELING DATE: 2002-06-06
PRIOR PELING DATE: 2001-06-10-10
PRIOR PLING DATE: 2001-07-10-10
PRIOR FILING DATE: 2001-07-10-10
PRIOR FILING DATE: 2001-07-25
PRIOR PLING DATE: 2001-07-25
PRIOR PLING DATE: 2002-05-29
PRIOR FILING DATE: 2002-05-10
PRIOR PRIOR DATE: 2002-05-10
PRIOR PRIOR DATE: 2002-05-10
PRIOR PRIOR DATE: 2002-05-10
PRIOR PRIING DATE: 2002-05-11
PRIOR PRIING DATE: 2002-06-06
PRIOR PRIING DATE: 2002-06-06
PRIOR PLING DATE: 2002-06-06
PRIOR PRIOR PLING DATE: 2002-06-06 Sequence 569, Application PC/TUS0105045 GENERAL INFORMATION: APPLICANT: Sirna Therapuetics Inc. APPLICANT: Beigelman, James APPLICANT: Beigelman, Leonid APPLICANT: Pavco, Pamela

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RESULT 713

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RESULT 13

RESULT 
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GENERAL INFORMATION:
APPLICANT: Sirna Therapuetics Inc.
APPLICANT: Birna Therapuetics Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Posnaugh, Kathy
APPLICANT: Posnaugh, Kathy
APPLICANT: Jamison, Sharon
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor
TITLE OF INVENTION: Receptor Gene Expression Using Short Interfering RNA
FILE REPERENCE: 400/081 (MBHB 02-468-B)
CURRENT APPLICATION NUMBER: PCT/US03/05045A
CURRENT FILING DATE: 2003-02-20
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1 GAUGGAGGUGCAGUUUUU 18
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Matches 16; Conserv
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Sequence 876, Application PC/TUS0305045

GENERAL INFORMATION:
APPLICANT: Sirna Therapueics Inc.
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Beigelman, Leonid
APPLICANT: Pavoc, Pamela
APPLICANT: Pavoc, Pavoc,
                                                                                                                                                                                                                                                                                                                                                   ; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/sinA sense PCT-US03-05045-569
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                    Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 1263
SOFTWARE: Patentin version 3.2
SEQ ID NO 569
LENGTH: 19
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Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                     ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
PRIOR FILING DATE: 2002-08-29
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Sequence 2314, Application US/09453607A
GENERAL INFORMATION:
APPLICANT: Immusol, Inc. et al.
TILLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF RESTENOSIE FILE REPERENCE: 480124.406
CURRENT APPLICATION NUMBER: US/09/453,607A
CURRENT FILING DATE: 1999-12-06
NUMBER OF SEQ ID NOS: 4388
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 2314
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US-09-453-607C-2314/c
US-09-453-607C-2314/c

S. SQUADER 2314, Application US/09453607C

S. SQUADER 2314, Application US/09453607C

GENERAL INFORMATION:
TITLE OF INVENTION: RIBOZYME THERAPY FOR THE TREATMENT AND/OR PREVENTION OF
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; FEATURE:
.; OTHER INFORMATION: Cyclin E ribozyme binding site
US-09-453-607A-2314
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0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
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Pred. No. 5.3e+02;
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Best Local Similarity 88.9%;
Matches 16; Conservative
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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GENERAL INFORMATION:
APPLICANT: BECKNANN, JACQUES
APPLICANT: RICHARD, ISABELLE
TITLE OF INVENTION: LGAD GENE CODING FOR A CALCIUM DEPENDENT PROTEASE
FILE REFERENCE: 960-29 AFMB2628AD/FL/SDU
CURRENT APPLICATION NUMBER: US/08/836,734E
CURRENT FILING DATE: 1997-07-02
PRIOR PILING DATE: 1997-07-02
PRIOR FILING DATE: 1994-11-21
PRIOR FILING DATE: 1994-11-22
NUMBER OF SEQ ID NOS: 116
SOFTWARE: NEW SWORD
SEQ ID NO 107
LENGTH: 19
                                                                               PRIOR PELICATION NUMBER: US 10/251,117
PRIOR PILING DATE: 2002-09-19
PRIOR PILING DATE: 2002-06-66
PRIOR PILING DATE: 2002-06-66
PRIOR PILING DATE: 2002-06-66
PRIOR PILING DATE: 2002-10-21
PRIOR PILING DATE: 2002-10-21
PRIOR PILING DATE: 2002-10-25
PRIOR PELICATION NUMBER: US 09/916,466
PRIOR PILING DATE: 2002-05-29
PRIOR PILING DATE: 2002-05-29
PRIOR PILING DATE: 2002-05-39
PRIOR PILING DATE: 2002-05-30
PRIOR PILING DATE: 2002-03-10
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-36
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-03-11
PRIOR PILING DATE: 2002-06-36
PRIOR PILING DATE: 2002-06-39
PRIOR PILING DATE: 2002-06-36
PRIOR PILING DATE:
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Pred. No. 5.3e+02;
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 61.1%; Pred. No. 5.3e+02;
Matches 11; Conservative 5; Mismatches 2; Indels
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APPLICATION NUMBER: US 60/393,924
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NAME/KEY: misc feature
LOCATION: (1). (19)
COTHER INFORMATION: /label= Table 2
US-08-836-734E-107
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ORGANISM: Artificial Sequence
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Best Local Similarity 88.9%;
Matches 16; Conservative
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APPLICANT: Nicognation:
APPLICANT: Morrissey, David
APPLICANT: Morrissey, David
APPLICANT: Morrissey, David
APPLICANT: McSwiggen, James
TITLE OF INVENTION: Short Interfering Nucleic Acid (sinA)
TITLE OF INVENTION: Short Interfering Nucleic Acid (sinA)
FILE REFERENCE: 400/660 (MBHB02-1000)
CURRENT FILING DATE: 2003-04-14
CURRENT FILING DATE: 2002-02-20
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: PatentIn version 3.0
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; OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense re
US-10-244-647-491
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US-10-244-647-511
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0.9%; Score 14.8; DB 1;
Best Local Similarity 50.0%; Pred. No. 5.3e+02;
Matches 9; Conservative 7; Mismatches 2;
CURRENT APPLICATION NUMBER: US/10/244,647
CURRENT FILING DATE: 2003-04-14
PRIOR APPLICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-03-26
PRIOR FILING DATE: 2002-08-36
PRIOR FILING DATE: 2001-06-08
PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SOFTWARE: Patentin Version 3.0
SEQ ID NO 491
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APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hepatitis B Virus (HBV)
TITLE OF INVENTION: Short Interfering Nucleic Acid (siNA)
FILE REFERENCE: 400/060 (MBHB02-1000)
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; OTHER INFORMATION: Description of Artificial Sequence: primer
US-09-612-226-111
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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                PRIOR APPLICATION NUMBER: FR 97 04680
PRIOR FILING DATE: 1997-04-16
PRIOR PILING DATE: 1997-07-31
NUMBER OF SEQ ID NOS: 163
SOFTWARE: Patentin Ver. 2.1
LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Tournier-Lasserve, Elisabeth
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceutical, Inc.
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       1996-08-01
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ORGANISM: Artificial Sequence
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Best Local Similarity 88.99
Matches 16; Conservative
       PRIOR FILING DATE:
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gibbs026-3.rnpm

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APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re;
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
TITLE OF INVENTION: Gene Expression Using Short Interfering RNA
CURRENT PILING DATE: 2003-02-24
CURRENT APPLICATION NUMBER: US 60/399,924
PRIOR APPLICATION NUMBER: US 60/399,924
PRIOR PILING DATE: 2002-06-06
PRIOR FILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-06-06
PRIOR PILING DATE: 2002-02-06
PRIOR PILING DATE: 2001-07-25
PRIOR PELING DATE: 2001-07-25
PRIOR PELING DATE: 2001-07-25
PRIOR PELING DATE: 2001-07-25
PRIOR FILING DATE: 2001-07-25
PRIOR FILING DATE: 2001-07-25
PRIOR FILING DATE: 2001-06-06
NUMBER OF SEQ ID NOS: 12.13
SOSTWARE: Patentin version 3.0
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TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re;
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Epidermal Growth Factor Re;
FILE REFERENCE: 900/042 (MHHB02-468-A)
CURRENT FILING DATE: 2003-02-4
FRIOR FILING DATE: 2002-07-03
FRIOR FILING DATE: 2002-07-03
FRIOR FILING DATE: 2002-06-06
FRIOR FILING DATE: 2002-02-20
FRIOR FILING DATE: 2001-07-25
FRIOR FILING DATE: 2001-07-25
FRIOR FILING DATE: 2001-06-06
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OTHER INFORMATION: Description of Artificial Sequence: Target sequence/sinA sense re
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US-10-251-117-930
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88.9%; Pred. No. 5.3e+02;
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                           APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                      Sequence 623, Application US/10251117 GENERAL INFORMATION:
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
                 18 CCTCTTCATCCTGCTGCT
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Best Local Similarity 88.9
Matches 16; Conservative
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US-10-251-117-930
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Sequence 1157, Application US/10244647

GENERAL INFORMATION:

APPLICANT: Ribozyme Pharmaceutical, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV) U

TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV)

TITLE OF INVENTION NUMBER: US/10/244,647

CURRENT APPLICATION NUMBER: US 60/358,580

PRIOR FILING DATE: 2002-07-03

PRIOR FILING DATE: 2002-07-03

PRIOR FILING DATE: 2002-07-03

PRIOR FILING DATE: 2001-66-08

NUMBER OF SEQ ID NOS: 1524

SEQ ID NO 1157

LENGTH: 19
APPLICANT: Ribozyme Pharmaceutical, Inc.
APPLICANT: Morrissey, David
APPLICANT: McSwiggen, Jawes
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: McSwiggen, James
APPLICANT: Beigelman, Leonid
TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
TITLE OF INVENTION: Short Interference Mediated Inhibition of Hepatitis B Virus (HBV) U
TITLE OF INVENTION NUMBER: US/10/244,647
CURRENT FILING DATE: 2002-02-0
PRIOR APPLICATION NUMBER: US 60/393,924
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2002-07-03
PRIOR FILING DATE: 2001-06-08
NUMBER OF SEQ ID NOS: 1524
SSOFTWARE: PatentIn Version 3.0
LENGTH: 19
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; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
US-10-244-647-1157
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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ORGANISM: Artificial Sequence
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ORGANISM: Artificial Sequence
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US-10-310-188-24871/c

| Sequence 24871, Application US/10310188
| Sequence 24871, Application US/10310188
| APPEAL INFORMATION: APPLICANT: ROSettaGemonics | TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENER | TITLE OF INVENTION: USES THEREOF | TITLE OF INVENTION: USES THEREOF | TITLE OF PUBLICATION WIMBER: US/10/310,188 | CURRENT APPLICATION WIMBER: 2002-12-19 | CURRENT FILING DATE: 2002-12-19
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY GENES AND
TITLE OF INVENTION: THEREOF
FILE REPERENCE: 45282
CURRENT APPLICATION NUMBER: US/10/293,338
CURRENT FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 8785
SOFTWARE: Patentin version 3.1
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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   Indels
                                                                                                                                                                                                                                                                          Sequence 205, Application US/10287787;
GENERAL INFORMATION:
APPLICANT: Feldmann, Richard J.; Global Determinants, Inc.; TITLE OF INVENTION: Caulobacter crescentus complete genome.
FILE REFERENCE: Jim Zegeer Law Offices - 703-684-8333;
CURRENT APPLICATION NUMBER: US/10/287,787
NUMBER OF SEQ ID NOS: 27958;
SOFTWARE: Proprietary
SEQ ID NO 205
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ORGANISM: Caulobacter crescentus complete genome.
0; Mismatches
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; OTHER INFORMATION: Chromosome = 1
US-10-287-787-205
                                                            1044 CTTCATGCTGCTCAT 1061
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Best Local Similarity 88.9
Matches 16; Conservative
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US-10-293-338-1504
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US-10-287-787-205
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LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LENGTH:
Matches
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APPLICANT: Millet, Isabelle
APPLICANT: Most Meera
APPLICANT: Patturajan, Meera
APPLICANT: Rieger, Daniel
APPLICANT: Taupier, Daniel
APPLICANT: Taupier, Dr., Raymond J.
APPLICANT: Zerhusen, Bryan
APPLICANT: Zerhusen, Bryan
APPLICANT: Zhong, Haihong
APPLICANT: Zhong, Mei
TITLE OF INVENTION: THE SAME
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## PRIOR APPLICATION NUMBER: 60/327,454

## PRIOR PELING DATE: 2001-10-09

## PRIOR PELING DATE: 2001-10-12

## PRIOR PELING DATE: 2001-10-12

## PRIOR PELING DATE: 2001-10-15

## PRIOR PELING DATE: 2001-10-22

## PRIOR APPLICATION NUMBER: 60/343,629

## PRIOR PELING DATE: 2001-10-29

## PRIOR PELING DATE: 2001-10-29
                                                                                             Gaps
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                                                                                             ö
                       Query Match
0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 61.1%; Pred. No. 5.3e+02;
Matches 11; Conservative 5; Mismatches 2; Indels
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88.9%; Pred. No. 5.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                  Sequence 84, Application US/10262445
                                                                                                                                                         342 GATGGAGGTGCAGCATTT 359
                                                                                                                                                                                                                                                                                                                                                                                                         GENERAL INFORMATION:
APPLICANT: Alsobrook II, John
APPLICANT: Burgess, Catherine
APPLICANT: Catterton, Elina
APPLICANT: Chant, John
APPLICANT: Chaudhuri, Amitabha
APPLICANT: Edinger, Shlomit
APPLICANT: Gerlach, Valerie
APPLICANT: Gerlach, Valerie
                                                                                                                                                                                              TYPE: DNA
ORGANISM: Artificial Sequence
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Mezes, Peter
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Guo, Xiaojia
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Best Local Similarity
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                                                                      Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                      Sequence 1151, Application US/10643775

GENERAL INFORMATION:
APPLICANT: Lie, Oyetein
APPLICANT: Sletten, Audun
APPLICANT: Lie, Oyetein
APPLICANT: Lingaas, Frode
TITLE OF INVENTION: Verification of Food Origin Based on
TITLE OF INVENTION: Verification of Food Origin Based on
TITLE OF INVENTION: Worleic Acid Pattern Recognition
FILE REFRENCE: 6649-019
CURRENT APPLICATION UNMBER: US/10/643,775
CURRENT APPLICATION UNMBER: US 60/404,200
PRIOR PILING DATE: 2003-08-18
PRIOR FILING DATE: 2002-08-16
NUMBER OF SEQ ID NOS: 1377
SOFTWARE: FESTENCE FOR Windows Version 4.0
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GENERAL INFORMATION:

APPLICANT: Lie, Oystein

APPLICANT: Lie, Oystein

APPLICANT: Lingaas, Frode

TILE OF INVENTION: Varification of Food Origin Based on

TILE OF INVENTION: Varification of Food Origin Based on

TILE OF INVENTION: Varification of Food Origin Based on

TILE OF INVENTION: Nucleic Acid Pattern Recognition

FILE REFERENCE: 66849-019

CURRENT APPLICATION NUMBER: US 60/404,200

PRIOR FILING DATE: 2002-08-18

PRIOR FILING DATE: 2002-08-16

NUMBER OF SEQ ID NOS: 1377

SOFTWARE: FastSEQ for Windows Version 4.0
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Pred. No. 5.3e+02;
0; Mismatches 2;
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                                                                      0.9%;
88.9%;
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Best Local Similarity 88.9%;
Matches 16; Conservative
                                                         Ouery Match
Best Local Similarity 88.99
Matches 16; Conservative
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Matches 16; Conservative
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US-10-643-775-1154
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      US-10-356-625-111
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL VIRAL REGULATORY GENE
TITLE OF INVENTION: USES THEREOF
FILE REFERENCE: 41487
CURRENT APPLICATION NUMBER: US/10/310,188
CURRENT FILING DATE: 2002-12-19
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Petentin version 3.1
SEQ ID NO 85407
LENGTH: 19
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                                                                                                                                                                                                                                                            Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
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Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches ما تاميا
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GENERAL INFORMATION:
APPLICANT: Tournier-Lasserve, Elisabeth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Sequence 85407, Application US/10310188 GENERAL INFORMATION:
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Best Local Similarity 88.9%;
Matches 16; Conservative (
NUMBER OF SEQ ID NOS: 86841
SOFTWARE: Patentin version 3.1
SEQ ID NO 24871
LENGTH: 19
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ORGANISM: Artificial Sequence
                                                                                                                               ; TYPE: DNA
; ORGANISM: Homo sapiens
US-10-310-188-24871
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: DNA
GORGANISM: Homo sapiens
US-10-310-188-85407
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US-10-310-188-85407
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SEQ ID NO 29646
LENGTH: 19
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LENGTH: 19
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US-10-714-333A-29547/c

Sequence 20547, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Revnova, Anastasia

APPLICANT: Revnova, Anastasia

APPLICANT: Revnova, Musical

APPLICANT: Revnova, Musical

APPLICANT: Revnova, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 134990E

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT APPLICATION NUMBER: 60/502,050

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

LENGTH: 19

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SEQ ID NO 29547
                                                                                                                                                                                                                                                                                                                                                                  Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 55.6%; Pred. No. 5.3e+02; Matches 10; Conservative 6; Mismatches 2; Indels
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
872 ATGTCAGGTGGAATTATG 889
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Best Local Similarity 88.99
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                          TYPE: RNA
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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RESULT 736

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Sequence 25646, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Edake, Devin
APPLICANT: Ecake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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Sequence 40403, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Bharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Best, Devin

APPLICANT: Marshall, William

APPLICANT: Nounctional and Hyperfunctional siRNA

FILE REFERENCE: 14499US

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-09-10

PRIOR PILING DATE: 2003-09-10

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: PACATION NUMBER: 60/426,137

MUMBER OF SEQ ID NOS: 1591911
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Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; TYPE: RNA; CORGANISM: Homo sapiens US-10-714-333A-29646
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US-10-714-333A-40403
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US-10-714-333A-73640
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US-10-714-333A-98961/c

Sequence 98961/c

Sequence 9861, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Chrocova, Anastasia

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Marshall, William

APPLICANT: Scanings, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

TITLE OF INVENTION NUMBER: 06/10/14,333A

CURRENT FILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 98961

LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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88.9%; Pred. No. 5.3e+02;
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLILNG DATE: 2003-910
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 77261
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Reynolds, Angela
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Marshall, William
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Best Local Similarity 88.99
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-98961
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US-10-714-333A-77261
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APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 7161
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 73640
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
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Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-73640
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US-10-714-333A-77161
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Length 19;
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APPLICANT: Chroson, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 119081
LENGTH: 19
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APPLICANT: Rhyorova, Anstasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
                                                                                                                                                                                                                                                                                                                                                                  2; Indels
                                                                                                                                                                                                                                                                                                               Score 14.8; DB 1;
Pred. No. 5.3e+02;
9; Mismatches 2;
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US-10-714-333A-119081/c
Sequence 119081, Application US/10714333A
GENERAL INFORMATION:
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; Sequence 119734, Application US/10714333A
; GENERAL INFORMATION:
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 101026
LENGTH: 19
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Best Local Similarity 38.9%;
Matches 7; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-101026
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; ORGANISM: Homo sapiens
US-10-714-333A-119081
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APPLICANT: Dharmacon, Inc.
APPLICANT: Revolds, Angela
APPLICANT: Reske, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
FILE REFERENCE: 11499US
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
FILE REFERENCE: 13499US
     TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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                    FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR PILING DATE: 2003-05.050
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 99104
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; Sequence 101026, Application US/10714333A
; GENERAL INFORWATION:
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; Sequence 99104, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-99062
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Matches
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1183 AACGTGGTGGTCCATGAC 1200
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US-10-714-333A-139443
                                                                         ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-139439
  SOFTWARE: Proprietary
SEQ.ID NO 139439
LENGTH: 19
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Best Local Similarity
Matches 16; Conserv
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1223990, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Charmacon, Inc.
APPLICANT: Charmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Responds, Angela
APPLICANT: Responds, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: G0/502,050
PRIOR PLIING DATE: 2003-09-10
PRIOR PLLING DATE: 2003-09-10
PRIOR PLLING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
SOFTWARE: PROPRICATION NUMBER: G0/426,137
PRIOR FILING DATE: 2003-11-14
SOFTWARE: Proprietary
SEQ ID NO 129390
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Bearinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
NUMBER OF SEQ ID NOS: 1591911
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PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 119734
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1060 ATCTTCTTTGCCTTCCTC 1077
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Best Local Similarity 88.9%;
Matches 16; Conservative C
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Best Local Similarity 88.9
Matches 16; Conservative
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US-10-714-333A-119734
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           , ORGANISM: Homo sapiens
US-10-714-333A-129390
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US-10-714-333A-139439/c
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US-10-714-333A-146874

Sequence 146874, Application US/10714333A

Sequence 146874, Application US/10714333A

APPLICANT: Exhorova, Anastasia

APPLICANT: Revnolds, Angela

APPLICANT: Revnolds, Angela

APPLICANT: Application

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: PROprietary

SEQ ID NO 146874
                                                                                                                                                                                                                             US-10-714-3334-139443/C

Sequence 139443, Application US/10714333A

Sequence 139443, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: RANOZOVA, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Beake, Devin
APPLICANT: Beake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICANTON NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19443
LENGTH: 19443
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; tive 0; Mismatches 2; Indels
     Length 19;
Query Match 0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
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0.9%; Score 14.8; DB 1; Length 19; 50.0%; Pred. No. 5.3e+02;
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APPLICANT: Characon, Inc.
APPLICANT: Rhoorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
FRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHARR: PROPILE 2002-11-14
SOUTHARR: PROPILE 2002-11-14
SEQ ID NO 168086
LENGTH: 19
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                        Best Local Similarity 88.9
Matches 16; Conservative
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Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-162617
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ORGANISM: Homo sapiens
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Best Local Similarity
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  Query Match
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                                                                            Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 61.1%; Pred. No. 5.3e+02; Matches 11; Conservative 5; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: MARSHALL
CURRENT FILING PATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/502,050
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 147447
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Characton, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Rhorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Responded, Angela
APPLICANT: Responded, Angela
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional sirNa
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PELICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 2002-11-14
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LEWARTH: 19
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US-10-714-333A-162601/c
; Sequence 162601, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                     417 GGCCATCGACTTCATTGA 434
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; ORGANISM: Homo sapiens
US-10-714-333A-146874
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ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                      RESULT 751
US-10-714-333A-147447
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0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 162617
LEMENTH: 19
                                              0; Mismatches
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US-10-714-313A-162617/c
'Sequence 162617, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-168086
; Sequence 168086, Application US/10714333A
; GENERAL INFORMATION:
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Matches

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Score 14.8; DB 1; Length 19;
Fred. No. 5.3e+02;
3; Mismatches 2; Indels
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APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TILE OF INVENTION: Punctional and Hyperfunctional siRNA
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
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0.9%; Score 14.8; DB 1;
Best Local Similarity 72.2%; Pred. No. 5.3e+02;
Matches 13; Conservative 3; Mismatches 2;
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GENERAL INFORMATION:
APPLICANT: Charmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                  Sequence 195561, Application US/10714333A GENERAL INFORMATION:
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Best Local Similarity 72.2%;
Matches 13; Conservative
                18 TCATCGTCAGCACCGTGG
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; ORGANISM: Homo sapiens
US-10-714-333A-195561
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US-10-714-333A-195593
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US-10-714-333A-195593
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  Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. S.3e+02;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          APPLICANT: Characton, Inc.
APPLICANT: Khyorova, Ansatasia
APPLICANT: Reynolda, Angela
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Caringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PELICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
  2; Indels
                                                                                                                                                                                                                                                                             APPLICANT: Distraction, Inc.
APPLICANT: Reynolds, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
PILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         CURRENT APPLICATION NUMBER: US/10/714,333A;
CURRENT FILING DATE: 2003-11-14;
PRIOR APPLICATION NUMBER: 66/520,050
PRIOR APLICATION NUMBER: 66/426,137
PRIOR APPLICATION NUMBER: 66/426,137
PRIOR FILING DATE: 2002-11-14;
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SQU ID NO 182299;
LENGTH: 19
7; Mismatches
                                                                                                                                                                                           5-10-714-333A-182299/c
Sequence 182299, Application US/10714333A
GENERAL INFORMATION:
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; Sequence 190043, Application US/10714333A
; GENERAL INFORMATION:
                                                   951 CCTCTGTGTTCCTGTCTT 968
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                                                                              19 ACTGAGGAAGCTGCTGTA 2
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Best Local Similarity 88.9
Matches 16; Conservative
9; Conservative
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SEQ ID NO 190043
LENGTH: 19
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VB-10-714-333A-215552/c

Sequence 215552, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Base, Devin

APPLICANT: Bashall, William

APPLICANT: Boaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT FILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-11-14

SOFTWARE: PEOPPICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

SOFTWARE: PEOPPICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

SOFTWARE: PEOPPICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

SOFTWARE: PEOPPICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14
                                                       APPLICANT: Characton, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 211427
LENGTH: 19
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Pred. No. 5.3e+02;
0; Mismatches 2;
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Pred. No. 5.3e+02;
0; Mismatches 2;
Sequence 211427, Application US/10714333A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     US-10-714-333A-215637/c
; Sequence 215637, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9%;
Matches 16; Conservative (
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Best Local Similarity 88.9%;
Matches 16; Conservative (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-211427
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US-10-714-333A-215552
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SEQ ID NO 215552
LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
5; Mismatches 2; Indels
                                                                                                                                  APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 197309
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Unarmacon, Inc.
APPLICANT: Khvorova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERBENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PRILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHWARE: Proprietary
SEQ ID NO 209643
                                                             US-10-714-333A-197309/c
; Sequence 197309, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 209643, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  887 ATGTGGCCAAGAACTTTG 904
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Best Local Similarity 61.1%;
Matches 11; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-10-714-333A-197309
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-209643
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TYPE: RNA

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APPLICANT: Dharmacon, Inc.

RESULT 761 US-10-714-333A-211427/c

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Length 19;

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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
                                                                                                                      # APPLICANT: Scaringe, Stephen
# TITLE OF INVENTION: Functional and Hyperfunctional siRNA
# TITLE OF INVENTION: Functional and Hyperfunctional siRNA
# FILE REPERBNCE: 13499US
# CURRENT ELLING DATE: 2003-11-14
# PRIOR APPLICATION NUMBER: 60/502,050
# PRIOR APPLICATION NUMBER: 60/426,137
# PRIOR FILING DATE: 2003-09-10
# PRIOR FILING DATE: 2002-11-14
# NUMBER OF SEQ ID NOS: 1591911
# SEQ ID NOS: 29980
# LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responder, Angela
APPLICANT: Responder, Angela
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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IIILE OF INVENTION: Functional and Hyperfunctional BiRNA
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88.9%; Pred. No. 5.3e+02;
iive 0; Mismatches 2;
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APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-714-333A-256403/c; Sequence 256403, Application US/10714333A; GENERAL INFORMATION:
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Reynolds, Angela
Leake, Devin
Marshall, William
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Best Local Similarity 88.9
Matches 16; Conservative
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Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-256403
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-714-333A-239980
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APPLICANT:
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Leake, Devin
Leake, Devin
Leake, Devin
Marshall, William
Leaker Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
TYPE: PARTER PARTER

LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; ive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 215711
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         US-10-714-333A-215711/c
; Sequence 215711, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anactasia APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1031 CGTTGCCAGGCATCTTCA 1048
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Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Homo sapiens
US-10-714-333A-215637
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ORGANISM: Homo sapiens
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APPLICANT:
APPLICANT:
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Length 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dharmacon, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Scaringe, Stephen
APPLICANT: Marshall, William
CURRENT APPLICANTON NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOCTHARRE: Proprietary
SEQ ID NO 283942
LENGTH: 19
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APPLICANT: Keynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349998
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      2; Indels
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Pred. No. 5.3e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.8; DB 1;
Pred. No. 5.3e+02;
0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; Sequence 285391, Application US/10714333A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-714-333A-283942/c
; Sequence 283942, Application US/10714333A
; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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88.9%;
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Best Local Similarity 88.9°
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Best Local Similarity 88.9
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-283942
                                                                                                                                                                                                                                                                                               ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-283836
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 38.9%; Pred. No. 5.3e+02;
Matches 7; Conservative 9; Mismatches 2; Indels
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38.9%; Pred. No. 5.3e+02;
ive 0; Mismatches 2; Indels
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US-10-714-333A-283836/C
Sequence 283836, Application US/10714333A
Sequence 283836, Application US/10714333A
Sequence 283836, Application US/10714333A
Septicant: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reske, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILLE REFRENCE: 13499US
CURRENT APPLICANT NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
SOFTWARE: Proprietary
SEQ ID NO 269745
LENGTH: 19
                                        | CURRENT PELLING NUMBER: US/10/714,333A | CURRENT FILING DATE: 2003-11-14 | PRIOR APPLICATION NUMBER: 60/502,050 | PRIOR PILING DATE: 2003-09-10 | PRIOR PILING DATE: 2003-09-10 | PRIOR PILING DATE: 2002-11-14 | NUMBER OF SEQ ID NOS: 1591911 | SOFTWARE: Proprietary | SO
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US-10-714-333A-269745/c
; Sequence 269745, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
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; ORGANISM: Homo sapiens
US-10-714-333A-269745
                  REFERENCE: 13499US
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; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-290958
                                            TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-290915
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  SEQ ID NO 290915
LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 44.4%; Pred. No. 5.3e+02;
Matches 8; Conservative 8; Mismatches 2; Indels
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 61.1%; Pred. No. 5.3e+02;
Matches 11; Conservative 5; Mismatches 2; Indels
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APPLICANT: Characteria Angela
APPLICANT: Khvorova, Angela
APPLICANT: Keynolda, Angela
APPLICANT: Leake, Devin Berin
APPLICANT: Marchall, William
APPLICANTON NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Seephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR FILING DATE: 2003-00-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 290915, Application US/10714333A
; GENERAL INFORMATION:
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PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 285391
LENGTH: 19
                                                                                                                TYPE: RNA
GRGANISM: Homo sapiens
US-10-714-333A-285391
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ORGANISM: Homo sapiens
US-10-714-333A-287841
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0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                               RESULT 774
US-10-714-333A-290958/C
SEQUENCE 290958, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Responder, Angela
APPLICANT: Responder, Stephen
APPLICANT: Baringe, Stephen
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: 13499US
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIECATY
SEQ ID NO 29958
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US-10-714-333A-292501/C
i Sequence 292501, Application US/10714333A
i GENERAL INFORMATION:
APPLICANT: Diarmacon, Inc.
APPLICANT: Charactasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
ITLE OF INVENTION FUNCTION WILLIAM
APPLICANT: APPLICATION NUMBER: US/10/714,333A
CURRENT PLING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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Query Match 0.9
Best Local Similarity 88.9
Matches 16; Conservative
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5; Mismatches
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US-10-714-333A-332333
; Sequence 332333, Application US/10714333A
; GENERAL INPORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
appLICANT: Reynolds, Angela
                                                                                1046 TCATGCTGCTGCTCATCT 1063
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0.9%;
88.9%;
                                        16; Conservative
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US-10-714-333A-337343
              Best Local Similarity
Matches 16, Conserv
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Best Local Similarity
Matches 11; Conserv
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Best Local Similarity
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LENGTH: 19
Query Match
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                                                         Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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Pred. No. 5.3e+02;
2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Ansstasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
FILE REPERENCE: 13499US
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Sequence 308401, Application US/10714333A
GENERAL INFORMATION,
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SQOTWARE: Proprietary
LENGTH: 19
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 302975, Application US/10714333A
; GENERAL INFORMATION:
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                                                             Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 77.8%;
Matches 14; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-302975
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CORGANISM: Homo sapiens
US-10-714-333A-308401
  , ORGANISM: Homo sapiens
US-10-714-333A-292501
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Matches
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Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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US-10-71-4-333-3-333-4
US-10-71-4-333-3-337-34-3
US-10-71-4-333-3-337-34-3
US-10-71-4-333-4-337-34-3
US-10-71-4-333-4-337-34-3
US-10-71-4-333-4-337-34-3
US-10-71-10-4
US-10-
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APPLICANT: Leake, Devin
APPLICANT: Ascaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETATY
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19 TACCTCTTCTTCCTCTC 2
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APPLICANT: Reynolds, Angela
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88.98;
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Best Local Similarity 88.9%;
Matches 16; Conservative (
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Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-352632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-351959
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Pred. No. 5.3e+02;
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                                                                                                                                                                                                               APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anactasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Best Local Similarity 88.9%; Pred. No. 5.3e
Matches 16; Conservative 0; Mismatches
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PRODRICATY
                                                                                                                           RESULT 780
US-10-714-333A-351775/c
; Sequence 351775, Application US/10714333A
; GENERAL INFORMATION:
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                      1054 CTGCTCATCTTCTTTGCC 1071
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CORGANISM: Homo sapiens
US-10-714-333A-351775
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CORGANISM: Homo sapiens
US-10-714-333A-351873
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LENGTH: 19
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                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Eack, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resting, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 351959
LENGTH: 19
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APPLICANT: Leake, Devin
APPLICANT: Arshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOPTWARE: Proprietary
LENGTH: 19
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Pred. No. 5.3e+02;
0; Mismatches 2;
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Pred. No. 5.3e+02;
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US-10-714-333A-351959/c
; Sequence 351959, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 352632, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-354929/C

SEQUENCE 3.5429.2 Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Diarmacon, Inc.

APPLICANT: Everolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Beake, Devin

APPLICANT: Barshall, William

APPLICANT: Barshall, William

APPLICANT: Marshall, William

APPLICANT: Marshall, William

CURRENT: 134.99US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT PILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2002-11-14

MUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: PPOPLICATY

SEQ ID NO 354929

LENGTH: 19
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88.9%; Pred. No. 5.3e+02;
iive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Length 19;
                                                            APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERRNCE: 13499US
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PAPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 354586
LENGTH: 19
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Pred. No. 5.3e+02;
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; Sequence 357994, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
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                          Khvorova, Anastasia
Reynolds, Angela
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Best Local Similarity 88.9%;
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US-10-714-333A-354586
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US-10-714-333A-354929
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Best Local Similarity
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                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional sirNa
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 005-10-11-4
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETARY
SEQ ID NO 354098
LENGTH: 19
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Responds, Angela
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 354563
LENGTH: 19
US-10-714-333A-354098/c
; Sequence 354098, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-354098
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US-10-714-333A-354563
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Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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Pred. No. 5.3e+02;
0; Mismatches 2; Indele
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Charmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Searinge, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
SURING PAPLICATION NUMBER: 60/426,137
RIOR PRIOR DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 311166
                                                                                                    I: Scaringe, Stephen
INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TITLE OF INVENTION: Functional and Hyperfunctional BIRNA
                                                                                                                TITLE OF INVENTION: Functional and mygracurer Elle REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 364234
LENGTH: 19
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APPLICANT: Dharmacon, Inc.
APPLICANT: Kivorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          400 ITCATCATCAGCACCTG 417
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88.9%;
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Marshall, William
Scaringe, Stephen
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Best Local Similarity 88.9'
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-371166
                                                                                                                                                                                                                                                                                                                                                                               , ORGANISM: Homo sapiens
US-10-714-333A-364234
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US-10-714-333A-372178/c
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Leake, Devin
Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR RILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID, NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
TYPE: PARTER PROPRIET OF SECTION NUMBER (1591911)
SOFTWARE: PROPRIET OF SECTION NUMBER (1591911)
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Pred. No. 5.3e+02;
4; Mismatches 2; Indels
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; Sequence 364234, Application US/10714333A
; GENERAL INFORMATION:
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Reynolds, Angela
Leake, Devin
Marshall, William
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Best Local Similarity 66.7%;
Matches 12; Conservative
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Matches 16, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-357994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-362298
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APPLICANT:
APPLICANT:
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CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14 PRICR APPLICATION NUMBER: 60/502,050 PRIOR FILING DATE: 2003-09-10 PRICR APPLICATION NUMBER: 60/426,137 PRICR FILING DATE: 2002-11-14
  PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION UNMBER: 600426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 32453
LENGTH: 19
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US-10-714-333A-372546
                                                                                                                                                                                                      ; ORGANISM: Homo sapiens US-10-714-333A-372453
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US-10-714-333A-372546
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                                                                                                                                                                                  TYPE: RNA
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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US-10-714-333A-372453
Sequence 372453, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Ascaringe, Stephen
APPLICANT: Scaringe, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
RIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
CURRENT APPLICATION NUMBER: US/10/714,333A;
CURRENT FILING DATE: 2003-11-14;
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10;
PRIOR PLING DATE: 2002-11-14;
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary;
LENGTH: 19
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US-10-714-333A-372178
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  Length 19;
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Sequence 372546, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Beake, Devin
APPLICANT: Searinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 372546
LENGTH: 19
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US-10-714-333A-395054/C
; Sequence 395054, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reknolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Applicant: Applicant: Applicant: Applicant: Applicant: Applicant: Scaringe, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
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Best Local Similarity 66.7%; Pred. No. 5.3e+02;
Matches 12; Conservative 4; Mismatches 2;
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0.9%; Score 14.8; DB 1;
Best Local Similarity 66.7%; Pred. No. 5.38+02;
Matches 12; Conservative 4; Mismatches 2;
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88.9%;
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                               Query Match 0.9
Best Local Similarity 88.9
Matches 16; Conservative
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ORGANISM: Homo sapiens
             TYPE: RNA
ORGANISM: Homo sapiens
US-10-714-333A-405763
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                                                                                                                                Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Leak, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR PELING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                                                                                                               0; Mismatches
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                                                                                                                               Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 395054
LENGTH: 19
                                                               TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-395054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-396135
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| OGGANIENT | 1979 | 1981 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 1971 | 19
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GENERAL INCOLLATION.

APPLICANT: Characton, Inc.

APPLICANT: Keynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Angela

APPLICANT: Angela

APPLICANT: Angela

APPLICANT: Marchall, William

APPLICANT: Marchall, William

APPLICANT: Porcring, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-09-10

PRIOR PILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: PROPRIETARY
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Length 19;
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APPLICANT: Rivorova, Anatasia
APPLICANT: Rivorova, Anatasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Aarshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILLING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 442803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Query Match 0.9%; Score 14.8; DB 1; Length 1 Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
Best Local Similarity 50.0%; Pred. No. 5.3e+02; Matches 9; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2; Indels
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Pred. No. 5.3e+02;
0; Mismatches 2;
                                                                                                                                                                       US-10-714-333A-441375/c; Sequence 441375, Application US/10714333A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT 804
US-10-714-333A-442803/c
'Sequence 442803, Application US/10714333A
; GENERAL INFORMATION:
                                                          1309 ATCTTCTGCTTCGTCCTG 1326
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                                                                                2 AACUUCUGCUUCGUCAUG 19
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Best Local Similarity 88.99
Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-442803
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; ORGANISM: Homo sapiens US-10-714-333A-441375
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                                      Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 77.8%; Pred. No. 5.3e+02; Matches 14; Conservative 2; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 436531, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRICA APPLICATION NUMBER: 60/502,050
FRICA APPLICATION NUMBER: 60/426,137
PRICA FILING DATE: 2003-10-14
NUMBER OF SEQ ID NOS: 1591911
SOFWARE: Proprietary
SEQ ID NO 436531
LENGTH: 19
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                                                                                                                                               1 UGAGGGAGCUGCAGGAAC 18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
    US-10-714-333A-418870
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-714-333A-436531
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0.9%; Score 14.8; DB 1; Length 19;

Query Match

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0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02;
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                     APPLICANT: Revicus, Augera
APPLICANT: Reshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PAPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SQCTWARE: Proprietary
SEQ ID NO 463318
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Pred. No. 5.3e+02;
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                                                                  US-10-714-333A-463318/c
; Sequence 463318, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1052 TGCTGCTCATCTTTG 1069
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APPLICANT: Reynolds, Angela
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Marches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-714-333A-463318
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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Pred. No. 5.3e+02;
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                APPLICANT: Kivorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/522,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                     US-10-714-333A-445044/c
; Sequence 445044, Application US/10714333A
; GENERAL INFORMATION:
1300 CATGAGTATATCTTCTGC 1317
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                 APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ) ORGANISM: Homo sapiens
US-10-714-333A-445044
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-714-333A-463228
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Length 19;

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0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; ive 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFREENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-10-10
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 473542
                      APPLICANT: Khvorova, Anastasia
APPLICANT: Revnolds, Angela
APPLICANT: Revnolds, Angela
APPLICANT: Revnolds, Angela
APPLICANT: Leake, Denil
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
IERGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Indels
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88.9%; Pred. No. 5.3e+02;
iive 0; Mismatches 2;
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Sequence 473572, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-714-333A-473542/c
; Sequence 473542, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9
Matches 16; Conservative
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Matches 16; Conservative
         Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                   ; TYPE: RNA; ORGANISM: Homo sapiens
US-10-714-333A-469027
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           US-10-714-333A-473542
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Sequence 464736
Sequence 464736
Sequence 464736
Sequence 464736
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Expooled, Angela
APPLICANT: Expooled, Angela
APPLICANT: Leake, Devin
APPLICANT: Eake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILICATION NUMBER: 60/502,050
PRIOR PLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
SOFTWARE: Proprietary
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 50.0%; Pred. No. 5.3e+02; Matches 9; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.8; DB 1; Length 19; 72.2%; Pred. No. 5.3e+02;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 465655, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Krotovoa, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              3; Mismatches
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/520,050
PRIOR PILING DATE: 2003-09-10
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-313A-469027/c
'Sequence 469027, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 72.2°
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-714-333A-464736
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-465655
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US-10-714-333A-465655
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INVENTION: Functional and Hyperfunctional siRNA
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Reynolds, Angela
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Marshall, William
Scaringe, Stephen
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Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                            ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-493249
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ORGANISM: Homo sapiens
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US-10-714-333A-496471/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-714-333A-496830
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APPLICANT:
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Sequence 466856, Application US/10714333A;
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Rese, Devin
APPLICANT: Rese, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaring, Stephen
TILE OF INVENTION: Stephen
TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 493249, Application US/10714333A
; GENERAL INFORMATION:
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Reynolds, Angela
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Best Local Similarity 61.1%;
Matches 11; Conservative
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Marshall, William
Scaringe, Stephen
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Matches 16; Conservative
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APPLICANT: Khvorova, Anast
APPLICANT: Reynolds, Angel
                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo sapiens US-10-714-333A-473572
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ORGANISM: Homo sapiens
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0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Edev. Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Eake, Devin
APPLICANT: Searinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 496471
LENGTH: 19
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0.9%; Score 14.8; DB 1;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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RESULT 820
US-10-714-333A-512570/c
'Sequence 512570, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 518052, Application US/10714333A
; GENERAL INFORMATION:
                              PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 501869
LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 88.9°
Matches 16; Conservative
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                                                                                                                                                                                                                                                         ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-501869
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; ORGANISM: Homo sapiens
US-10-714-333A-512570
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APPLICANT: Khvorova, Anastasia,
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 501486
LENGTH: 19
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2002-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
TABLE
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; Sequence 501486, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-714-333A-496830
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  Length 19;
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APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-09-10
PRIOR PLILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
SRO ID NOS: 1591911
SOFUARE: Proprietary
SEQ ID NO 512570
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APPLICANT: Leafe, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephon
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-01-14
PRIOR FILING DATE: 2001-01-14
NUMBER OF SEQ ID NOS: 1591911
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                                                      2; Indels
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Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2;
Score 14.8; DB 1;
Pred. No. 5.3e+02;
                                                      0; Mismatches
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TYPE: RNA
ORGANISM: Homo sapiens
                       ; ORGANISM: Homo sapiens
US-10-714-333A-521656
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US-10-714-333A-521656
Sequence 521656, Application US/10714333A
Sequence 521656, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 0S/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 221656
LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 83.3%; Pred. No. 5.3e+02;
Matches 15; Conservative 1; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Responded, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502.050
PRIOR PILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 521556
                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-714-333A-521556
; Sequence 521556, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                      2 AAGGGAAGGGACAACUGA 19
                                                                                         , ORGANISM: Homo sapiens
US-10-714-333A-518052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-521556
SOFTWARE: Proprietary
SEQ ID NO 518052
LENGTH: 19
                                                                       TYPE: RNA
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Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 66.7%; Pred. No. 5.3e+02; Matches 12; Conservative 4; Mismatches 2; Indels
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; Sequence 557566, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: KHYOOTOVA, Anastasia
; APPLICANT: Reynolds, Angela
; APPLICANT: Reynolds, Angela
; APPLICANT: Searinge, Stephen
; TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR PLILING DATE: 2003-09-10
; PRIOR PLILING DATE: 2003-09-10
; PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
; SOFTWARE: Proprietary
; SEQ ID NO 557566
; LENGTH: 19
                                                                                                                                                                                                                                  RESULT 828
US-10-714-333A-554319/C
Sequence 554319, Application US/10714333A
Sequence 554319, Application US/10714333A
Sequence 554319, Application US/10714333A
SEQUENCE INFORMATION:
APPLICANT: Revords, Anastasia
APPLICANT: Revords, Angela
APPLICANT: Revinds, Angela
APPLICANT: Restain, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349902
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
NUMBER OF SEQ ID NOS: 1591911
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0; Mismatches
                                                                     1072 ITCCICCATIGCIGGCIC 1089
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                                                                                                                               19 TACCTCCATTGCTGCTC
16; Conservative
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US-10-714-333A-554319
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US-10-714-333A-557566
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Pred. No. 5.3e+02;
6; Mismatches 2; Indels
                             0.9%; Score 14.8; DB 1; Length 19;
11.1%; Pred. No. 5.3e+02;
ve 5; Mismatches 2; Indels
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Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Characton, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respective, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-10-14
PRIOR PLILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 541621
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APPLICANT: Characton, Inc.
APPLICANT: Characton, Anatasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respective to the control of the contr
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; Sequence 554219, Application US/10714333A
; GENERAL INFORMATION:
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                             Query Match 0.9%;
Best Local Similarity 61.1%;
Matches 11; Conservative
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Best Local Similarity 55.6%;
Matches 10; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-541621
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CORGANISM: Homo sapiens
US-10-714-333A-554219
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Best Local Similarity
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US-10-714-333A-541621
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                                                                                   APPLICANT: Khorova, Anastasia
APPLICANT: Keynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marball, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-10-11
PRIOR PLICING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHARE: POPPLICATION
SEQ ID NO 566923
LENGTH: 19
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US-10-714-333A-586923/c; Sequence 586923, Application US/10714333A; GENERAL INFORMATION: APPLICANT: Dharmacon, Inc.
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Matches 16, Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-589132
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US-10-714-333A-586923
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Best Local Similarity
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US-10-714-333A-590892/c
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                                                                            Sequence 561121, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Responds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOCTHWARE: Proprietary
LENGTH: 19
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APPLICANT: Bharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502.050
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 575698
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US-10-714-333A-575698
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-563121
                                                                     US-10-714-333A-563121/c
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US-10-714-333A-575698/c
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US-10-714-333A-607801/c

Sequence 607801, Application US/10714333A

Sequence 607801, Application US/10714333A

Sequence 607801, Application US/10714333A

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Beake, Devin

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: Scarings Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: 60/502,050

PRIOR PILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 607801
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; Live 0; Mismatches 2; Indels
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
                  APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, Welliam
APPLICANT: Marshall, Welliam
APPLICANT: Marshall, Welliam
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 616091, Application US/10714333A
; GENERAL INFORMATION:
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     Khvorova, Anastasia
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
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Best Local Similarity 88.9
Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-597268
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                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502.050
FRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
SPRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLINTO DATE: 2002-11-14
SOFTWARE: PROPRIECATION
SEQ ID NOS: 1591911
SEQ ID NO 590892
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 591241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          US-10-714-333A-591241/c; Sequence 591241, Application US/10714333A; GENERAL INFORMATION:
Sequence 590892, Application US/10714333A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               US-10-714-333A-597268/c
; Sequence 597268, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens
US-10-714-333A-591241
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-714-333A-590892
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Assistant: Assistant APPLICANT: Assistant APPLICANT: Assistant APPLICANT: Assistant APPLICANT: Assistant APPLICANT: Assistant APPLICANT: Scaringe, Stephen TTILE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROprietary
LENGTH: 19
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APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FILOM APPLICATION NUMBER: 60/426,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-624796/C
Sequence 624796, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khrovova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-714-333A-621423/c
; Sequence 621423, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 88.9
Matches 16, Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-621423
                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-10-714-333A-616261
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                PPLICANT: Scaringe, Stephen (TLE OF INVENTION: Functional siRNA)
                                                                                                 HILLE NETENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PRILORION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 616091
LENGTH: 19
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; Sequence 616166, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           173 GACAACTGAGGGAGCTGC 190
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Best Local Similarity 88.9%;
Matches 16; Conservative
           Marshall, William
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
GORGANISM: Homo sapiens
US-10-714-333A-616091
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US-10-714-333A-616166
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US-10-714-333A-638536
; Sequence 638536, Application US/10714333A
; GENERAL INFORMATION:
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1 UUUACAUCAUCCUCAAGU 18
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                     NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETRY
SEQ ID NO 638478
LENGTH: 19
PRIOR FILING DATE: 2002-11-14
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-638536
                                                                                                                                   ; ORGANISM: Homo sapiens
US-10-714-333A-638478
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQ ID NO 638536
LENGTH: 19
                                                                                                                TYPE: RNA
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0.9%; Score 14.8; DB 1; Length 19; 61.1%; Pred. No. 5.3e+02;
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US-10-714-333A-638478

j Sequence 638478, Application US/10714333A

j GENERAL INFORMATION:
   APPLICANT: Khvorova, Anastasia
   APPLICANT: Reviolds, Angela
   APPLICANT: Reviolds, Angela
   APPLICANT: Marshall, William
   APPLICANT: Marshall, William
   APPLICANT: Scaringe, Stephen
   TITLE OF INVENTION: Functional and Hyperfunctional siRNA
   FILE REFERENCE: 13490US
   CURRENT APPLICATION NUMBER: US/10/714,333A
   CURRENT FILING DATE: 2003-11-4
   PRIOR FILING DATE: 2003-09-10
   PRIOR PAPLICATION NUMBER: 60/502,050
   PRIOR PAPLICATION NUMBER: 60/426,137
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorcova, Anastasia
APPLICANT: Rhvorcova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEG ID NO 628455
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      RESULT 843
US-10-714-333A-628455
; Sequence 628455, Application US/10714333A
; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PRICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 624796
LENGTH: 19
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UUGCCGAGAUGCUGAGAU 18
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Matches 11; Conservative
                                                                                                                                                                                     TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-624796
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ORGANISM: Homo sapiens
US-10-714-333A-628455
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US-10-714-333A-647154

Sequence 647154, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Normacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR PRIOR DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Length 19;
                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Dharmacon, Inc.
APPLICANT: Characteria and Applicant: Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin Bering Angela
APPLICANT: Leake, Devin Bering Applicant: Scaringe, Stephen
ITILE OF INVENTION: Punctional and Hyperfunctional siRNA
ITILE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                              2; Indels
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Best Local Similarity 55.6%; Pred. No. 5.3e+02;
Matches 10; Conservative 6; Mismatches 2;
Query Match

0.9%; Score 14.8; DB 1;
Best Local Similarity 55.6%; Pred. No. 5.38+02;
Matches 10; Conservative 6; Mismatches 2;
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; ORGANISM: Homo sapiens
US-10-714-333A-652653
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US-10-714-333A-652638/c

Sequence 652638, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Charmacon, Inc.
APPLICANT: Khyorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Restnage, Stephen
TTTLE OF INVENTION: Functional and Hyperfunctional siRNA
TTLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/10/10/14,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 652638
LENGTH: 19
                                                                                                                                     Query Match
0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 44.4%; Pred. No. 5.3e+02;
Matches 8; Conservative 8; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Characton, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Characton, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marehall, William
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 652653
LENGTH: 19
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Best Local Similarity 88.99
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-652638
                                          TYPE: RNA
ORGANISM: Homo eaptens
US-10-714-333A-647154
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US-10-714-333A-652653/c
SEQ ID NO 647154
LENGTH: 19
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Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     GENERAL INFORMATION:

GENERAL INFORMATION:

APPLICANT: DAIL ADDITION:

APPLICANT: Characon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Responds, Angela

APPLICANT: Responds, Angela

APPLICANT: Marchall, William

APPLICANT: Marchall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT FILING DATE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR PELING DATE: 2003-09-10

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR PELING DATE: 2002-11-14

NUMBER-OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Khorovo, Anatasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NOS 66159
LENGTH: 19
                                                                                                                                                                                                                                                           US-10-714-333A-666159/c
; Sequence 666159, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                            1017 TATCCTGCATGCCACGTT 1034
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     Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-666159
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US-10-714-333A-666353/c
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ORGANISM: Homo
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LENGTH: 19
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Gaps
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                                                                                                                                                                  Sequence 677440, Application US/10714333A

Seguence 677440, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Charmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Beake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
CURRENT PILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 677440
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Length 19;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Sequence 679033, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Searinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13399US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.9%; Score 14.8; DB 1; Best Local Similarity 61.1%; Pred. No. 5.3e+02; Matches 11; Conservative 5; Mismatches 2;
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/522,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 679033
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                          815 TCTACTTCCTCTTCTGCC 832
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; ORGANISM: Homo sapiens
US-10-714-333A-677440
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                                                                                                                                       RESULT 853
US-10-714-333A-677440
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US-10-714-333A-668146/c
Sequence 668146, Application US/10714333A
Sequence 668146, Application US/10714333A
Sequence 668146, Application US/10714333A
Sequence 668146, Application US/10714333A
APPLICANT: Carkova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
CURRENT FILEANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502,050
FRIOR APPLICATION NUMBER: 60/502,050
FRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFFWARE: PROPILEATION
LENGTH: 19
LENGTH: 19
LENGTH: 19
Query Match
0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
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Sequence 675649, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TILEO PF INVENTION: Functional and Hyperfunctional siRNA
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR PRILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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                                                                                              815 TCTACTTCCTCTTCTGCC 832
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                                                                                                                      18 TCTTCTTCCTCTTCTTCC 1
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Best Local Similarity 88.99
Matches 16; Conservative
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ORGANISM: Homo sapiens
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Best Local Similarity
Matches 16; Conserv
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US-10-714-333A-707106/C

Sequence 707106, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 707106
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0.9%; Score 14.8; DB 1;
88.9%; Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
7; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    0; Mismatches
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; Sequence 709630, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 50.04
Matches 9; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TYPE: RNA
ORGANISM: Homo sapiens
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US-10-714-333A-717530
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LENGTH: 19
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                             RESULT 855
US-10-714-333A-700954/C
i Sequence 700954, Application US/10714333A
i GENERAL INPORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Caringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PELING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
FRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-10-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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5.3e+02;
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US-10-714-333A-706981/C
; Sequence 706981, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Reynolds, Angela
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Leake, Sevin
; APPLICANT: Scaringe, Stephen
; TITLE OF INVERTION: Functional and Hyperfunctional siRNA
; FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PLLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0; Mismatches
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Pred. No. 5.
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1 GCUACGAUGUGGAAACAG 18
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Best Local Similarity 88.9%;
Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-700954
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US-10-714-333A-706981
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; Sequence 717530, Application US/10714333A

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Length 19;
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APPLICANT: KNOWCOW, Anaetasia
APPLICANT: KNOWCOW, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-10-10
SPRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SQCFWARR: Proprietary
SEQ ID NO 734141
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Pred. No. 5.3e+02;
0; Mismatches 2;
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 734141, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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; Sequence 764989, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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Reynolds, Angela
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Marshall, William
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Best Local Similarity 88.95
Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-731565
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ; ORGANISM: Homo sapiens
US-10-714-333A-734141
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APPLICANT:
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APPLICANT:
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Sequence 711509, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 711509
LENGTH: 19
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       0.9%; Score 14.8; DB 1; Length 19; 38.9%; Pred. No. 5.3e+02;
                                         APPLICANT: ENGRANGE ABSEASIA
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respendes, Angela
APPLICANT: Marehall, William
APPLICANT: Marehall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 717530
LENGTH: 19
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; Sequence 731565, Application US/10714333A
; GENERAL INFORMATION:
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Matches 7; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
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Length 19;
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88.9%; Fred. No. 5.3e+02;
iive 0; Mismatches 2; Indels
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APPLICANT: Keynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SSOFTWARE: PROprietary
SEQ ID NO 766841
LENGTH: 19
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APPLICANT: Charmeron, Inc.
APPLICANT: Reynolds, Anstasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirnA
FILE REFERENCE: 13499US
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Pred. No. 5.3e+02;
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 766841, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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; Sequence 766916, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Matches 16; Conservative
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US-10-714-333A-766814
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APPLICANT:
APPLICANT:
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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Pred. No. 5.3e+02;
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Saringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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APPLICANT: Khvorova, Ansatasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
    T: Scaringe, Stephen INVENTION: Functional siRNA
                                          FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-10-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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; Sequence 766814, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                   ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-764989
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US-10-714-333A-766741
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Length 19;
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APPLICANT: REYNOIGS, Angels
APPLICANT: Reynolds, Angels
APPLICANT: Rese, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFREENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 781370
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88.9%; Pred. No. 5.3e+02;
live 0; Mismatches 2;
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66.7%; Pred. No. 5.3e+02;
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US-10-714-333A-781370/c
; Sequence 781370, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                       1374 AATGTTGAACTTCATGAT 1391
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NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 772055
LENGTH: 19
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Matches 12; Conservative
                                                                                                                                                                                                  16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-774996
                                                                                TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-772055
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Best Local Similarity
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US-10-714-333A-774996
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                                                                                                                                                                                                                           Length 19;
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APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respective Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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APPLICANT: Characteria Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-01-14
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; Sequence 772034, Application US/10714333A
; GENERAL INFORWATION:
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PRIOR APPLICATION WUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 766916
LENGTH: 19
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                                                                                                                                             TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-766916
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US-10-714-333A-772034
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Best Local &
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US-10-714-333A-782990
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILER REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 782978
LENGTH: 19
                                                                                                 0.9%; Score 14.8; DB 1; Length 19, 88.9%; Pred. No. 5.3e+02;
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5.3e+02;
                                                                                                                                        2; Indels
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Sequence 782990, Application US/10714333A

GENERAL INFORMATION: Inc.

APPLICANT: Edwarmscon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Marshall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional BIRNA

FILE REFERENCE: 13499US
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CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PELING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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Pred. No. 5.3e
0; Mismatches
                                                                                                                                        0; Mismatches
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Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                 Query Match 0.9
Best Local Similarity 88.9
Matches 16; Conservative
; LENGTH: 19
; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-781370
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ORGANISM: Homo gapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                            -10-714-333A-782978/c
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        Length 19;
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                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2003-10-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
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APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephnal
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-09-10
PRIOR PLILING DATE: 2003-09-10
PRIOR PLILORION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
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  Score 14.8; DB 1;
Pred. No. 5.3e+02;
5; Mismatches 2;
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                                                                                                                                                                                                                                                                                                  Sequence 783816, Application US/10714333A GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
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APPLICANT: Dharmacon, Inc.
                                                                                                               1185 CGTGGTGGTCCATGACTG 1202
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APPLICANT: Reynolds, Angela
     0.9%;
61.1%;
Query Match 0.99
Best Local Similarity 61.11
Matches 11; Conservative
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US-10-714-333A-783816
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US-10-714-333A-784439
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US-10-714-333A-784439
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; Sequence 801255, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Expnolds, Angela
; APPLICANT: Expnolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Backe, Devin
; APPLICANT: Marshall, William
; APPLICANT: Scatinge, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
; CURRENT APPLICATION NUMBER: 60/502,050
; PRIOR PLING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR PLING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SEQ ID NO 801255
; LENGTH: 19
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                             CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR PILING DATE: 2003-09-10 PRIOR APPLICATION NUMBER: 60/426,137 PRIOR FILING DATE: 2002-11-14 NUMBER OF SEQ ID NOS: 1591911
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    430 ATTGATGAGGCAGGCTG 447
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                                                  18 AATGAAGAGGCCAGGCTG 1
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US-10-714-333A-800639
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                                                                                                                        RESULT 878
US-10-714-333A-800639
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US-10-714-333A-801255
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LENGTH: 19
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                          APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhvorcva, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Respondes, Angela
APPLICANT: Ceatinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502,050
FRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO: 1591911
SOFTWARE: Proprietary
SEQ ID NO 189773
                            Indels
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'Sequence 794601, Application US/10714333A
'GENERAL INFORMATION:
'A APPLICANT: Dharmacon, Inc.
'A APPLICANT: Reynolds, Angela
'A APPLICANT: Leake, Devin
'A APPLICANT: Marball, William
'A APPLICANT: Marball, William
'A APPLICANT: Searinge, Stephen
'TITLE OF INVENTION: Functional and Hyperfunctional siRNA
  50.0%; Pred. No. 5.3e+02; cive 7; Mismatches 2;
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 794601
LENGTH: 19
                                                                                                                                                                                                                               Sequence 788773, Application US/10714333A GENERAL INFORMATION:
                                                                          1009 GTGCTCTCTATCCTGCAT 1026
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                                                                                                  2 GUGUUCUCUAUCCUGCUU 19
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                          9; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.99
Best Local Similarity 72.29
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-788773
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CORGANISM: Homo sapiens
US-10-714-333A-794601
Best Local Similarity
Matches 9; Conserv
                                                                                                                                                                                        RESULT 876
US-10-714-333A-788773
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US-10-714-333A-841744/c
; Sequence 841744, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 61.17
Matches 11, Conservative
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Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-836678
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-841744
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i Sequence 805008, Application US/10714333A

i GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Eake, Angela

APPLICANT: Leake, Devin

APPLICANT: Leake, Devin

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-11-14

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

LENGTH: 19
RESULT 880

US-10-714-333A-801578/C

Sequence 801578, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Khvoroda, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Research and Hyperfunctional siRNA

FILE REFERENCE: 134990E

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT APPLICATION NUMBER: 06/502,050

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR APLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2003-11-14

NUMBER OF SEG ID NOS: 1591911

SEQ ID NO 801578

LENGTH: 19

TAVED: DATE: 2002-11-14

CURRENT: PRIOR PRICATION NUMBER: 60/426,137

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR PRIOR PILING DATE: 2002-11-14

SEQ ID NO 801578
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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88.9%; Pred. No. 5.3e+02;
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Matches 16, Conservative
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US-10-714-333A-801578
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ORGANISM: Homo sapiens
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Sequence 836678, Application US/10714333A

Sequence 836678, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Darmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 836678
LENGTH: 19
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61.1%; Pred. No. 5.3e+02;
tive 5; Mismatches 2; Indels
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APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 841744
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0; Mismatches 2
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US-10-714-313A-841816/c
1S-10-714-313A-841816, Application US/10714333A
; GENERAL INFORMATION:
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RESULT 882

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Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
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| Sequence | 188111B, Application US/10714333A |
| SENERAL INFORMATION: |
| APPLICANT: Dharmacon, Inc. |
| APPLICANT: Khvorova, Anastasia |
| APPLICANT: Reynolds, Angela |
| APPLICANT: Reynolds, Angela |
| APPLICANT: Beake, Devin |
| APPLICANT: Scaringe, Stephen |
| TITLE OF INVENTION: Punctional and Hyperfunctional siRNA |
| TITLE OF INVENTION: Punctional and Hyperfunctional siRNA |
| FILE REFERENCE: 13499US |
| CURRENT APPLICATION NUMBER: US/10/714,333A |
| CURRENT FILING DATE: 2003-11-14 |
| PRIOR PLILOR DATE: 2003-09-10 |
| PRIOR PPLICATION NUMBER: 60/426,137 |
| PRIOR APPLICATION NUMBER: 60/426,137 |
| PRIOR PILING DATE: 2002-11-14 |
| SOFTWARE: Proprietary |
| SEQ ID NO 883118 |
| LENGTH: 19
                       APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
; TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
; FILE REPERENCE: 13499US
; CURRENT APPLICATION NUMBER: US/10/714,333A
; CURRENT FILING DATE: 2003-11-14
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR APPLICATION NUMBER: 60/426,137
; PRIOR FILING DATE: 2003-01-14
; NUMBER OF SEQ ID NOS: 1591911
; SGC ID NO 874982
; LENGTH: 19
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US-10-714-333A-886411/C
Sequence 886411, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Anastasia
APPLICANT: Resynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1147 AACTCAACGTCCTTCTCC 1164
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88.9%;
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Best Local Similarity 88.9
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-874982
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ORGANISM: Homo sapiens
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US-10-714-333A-883118
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0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/114,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 841816
LENGTH: 19
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APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PELING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PELING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 863225
LENGTH: 19
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; Sequence 863225, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 874982, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
Best Local Similarity 88.9°
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-714-333A-841816
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-714-333A-863225
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Query Match

0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 895383, Application US/10714333A
; Sequence 895383, Application US/10714333A
; GENERAL INFORMATION
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Reynolds, Angela
; APPLICANT: Reynolds, Angela
; APPLICANT: Leake, Devin
; APPLICANT: Leake, Devin
; APPLICANT: Scarings, Stephen
; TITLE OF INVENTION: Functional and Hyperfunctional
; APPLICANT: Scarings, Stephen
; TITLE OF INVENTION: Punctional and Hyperfunctional
; APPLICANT: Scarings, Stephen
; TITLE OF INVENTION: Functional
; PRICE REFERENCE: 13499US
; CURRENT PLILING DATE: 2003-01-0
; PRIOR PILING DATE: 2003-01-0
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SOFTWARE: Proprietary
; SEQ ID NO 895383
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APPLICANT: Khvorova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; Sequence 899079, Application US/10714333A; GENERAL INFORMATION:
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 992117
LENGTH: 19
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                                                                                                                                                                                                                                                             ORGANISM: Homo sapiens
US-10-714-333A-892117
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-895383
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US-10-714-333A-895383/c
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Matches 16; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                           0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Sequence 188009, Application US/10714333A; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 889009
TITLE OF INVENTION: Functional and Hyperfunctional siRNA; CIRENT APPLICATION NUMBER: US/10/714,333A; CURRENT APPLICATION NUMBER: US/10/714,333A; CURRENT FILING DATE: 2003-11-14; PRIOR APPLICATION NUMBER: 60/502,050; PRIOR APPLICATION NUMBER: 60/426,137; PRIOR APPLICATION NUMBER: 60/426,137; PRIOR APPLICATION NUMBER: 60/426,137; PRIOR APPLICATION NUMBER: 60/426,137; PRIOR PRIOR PRIOR SEQ ID NOS: 1591911; SOFTWARE: Proprietary; SEQ ID NO 886411
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
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; Sequence 892117, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9°
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                      TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-886411
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         , ORGANISM: Homo sapiens
US-10-714-333A-889009
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US-10-714-3
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Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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i Sequence 920823, Application US/10714333A

i GENERAL INFORMATION:

APPLICANT: TKNOOROVA, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
FRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: PROPILEATION
UNDER: PROPILEATION
SEQ ID NOS: 1591911

SEQ ID NO 920823
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
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APPLICANT: Respinolds, Augusta
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-920859/c
; Sequence 920859, Application US/10714333A
; GENERAL INCORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anaetasia
; appLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                              1157 CCTTCTCCAACTACTACC 1174
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88.9%;
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Best Local Similarity 88.99
Marches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                          TYPE: RNA
CRGANISM: Homo sapiens
US-10-714-333A-905395
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     SOFTWARE: Proprietary
SEQ ID NO 905395
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-01-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
SENGTH 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Boaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2001-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-714-333A-899180
; Sequence 899180, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-905395/c
; Sequence 905395, Application US/10714333A
; GENERAL INFORMATION:
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 899079
LENGTH: 19
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US-10-714-333A-899079
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US-10-714-333A-899180
                                                                                                                                                     TYPE: RNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Anaetasia
APPLICANT: Rhyorova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 950052
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                                    Score 14.8; DB 1; Length 1
Pred. No. 5.3e+02;
5; Mismatches 2; Indels
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Pred. No. 5.3e+02;
0; Mismatches 2;
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US-10-714-313A-950052/c
; Sequence 950052, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 957315, Application US/10714333A
; GENERAL INFORMATION:
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                                    Query Match
Best Local Similarity 61.1%;
Matches 11; Conservative
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Best Local Similarity 88.9%;
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-950052
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US-10-714-333A-957315
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Best Local Similarity
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                                                                                                                                       Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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Pred. No. 5.3e+02;
4; Mismatches 2; Indels
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILER REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 06/502,050
PRIOR PLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR RILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 933752
LENGTH: 19
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                                                                                                                                                                                                                                                                                     1064 TCTTTGCCTTCCTCCATT 1081
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Best Local Similarity 66.7%;
Matches 12; Conservative
; TYPE: RNA
; ORGANISM: Homo sapiene
US-10-714-333A-920859
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-933752
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CORGANISM: Homo sapiens
US-10-714-333A-935675
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Match 0.9%; Score 14.8; DB 1; Length 19; Local Similarity 44.4%; Pred. No. 5.3e+02; les 8; Conservative 8; Mismatches 2; Indels
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                                                                                                                                                                                                                                                         APPLICANT: ENGINEERIN THOUSEN APPLICANT: REVTOIDS, ANGELS APPLICANT: RevTOIDS, Angels APPLICANT: Leake, Devin APPLICANT: Leake, Devin APPLICANT: Marshall, William APPLICANT: Scaringe, Stephen TITLE OF INVENTION: Functional and Hyperfunctional siRNA; FILE REFERENCE: 13499US CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT APPLICATION NUMBER: 60/502.050 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR PILLING DATE: 2003-11-14; PRIOR FILLING DATE: 2003-11-14 STORMER OF SEQ ID NOS: 1591911 SOFTWARE: Proprietary SEQ ID NO 969655 LENGTH: 19
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Pred. No. 5.3e+02;
0; Mismatches 2;
                                                                                                                              US-10-714-333A-969655
; Sequence 969655, Application US/10714333A
; GENERAL INFORMATION
; APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       US-10-714-333A-971604/c
; Sequence 971604, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; ORGANISM: Homo sapiens
US-10-714-333A-969655
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Matches
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i Sequence 968163, Application US/10714333A

i GENERAL INFORMATION:

APPLICANT: Charmacon, Inc.

APPLICANT: Revnola, Anastasia

APPLICANT: Revnola, Angela

APPLICANT: Resnoll, Milliam

APPLICANT: Marshall, Milliam

APPLICANT: Marshall, Milliam

APPLICANT: Marshall, Milliam

APPLICANT: Marshall, Milliam

CURRENT: Dear Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-09-10

PRIOR PILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 968163

LENGTH: 19
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APPLICANT: Khyorolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marchige, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 968558
LENGTH: 19
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; Sequence 968558, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
                                   1061 TCTTCTTTGCCTTCCTCC 1078
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Best Local Similarity 88.9
Matches 16; Conservative
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CRGANISM: Homo sapiens
US-10-714-333A-968163
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ORGANISM: Homo sapiens
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Sequence 1010570, Application US/10714333A GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1012452
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US-10-714-333A-1012452/c
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US-10-714-333A-1009712/C
Sequence 1009712, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Angela
APPLICANT: Leake, Devin
APPLICANT: Resnolds, Angela
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLILNG DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: PROPILEATY
LENTH: 19
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                                                          Sequence 977139, Application US/10714333A;
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.;
APPLICANT: Charmacon, Inc.;
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Respect Bevin
APPLICANT: Aarabal, William
APPLICANT: Aarabal, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA;
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PELING DATE: 2003-10-10
PRIOR PELING DATE: 2003-10-10
PRIOR PELING DATE: 2003-10-11
SPRIOR PELING DATE: 2003-10-11
SOFTHARE: Proprietary
SEQ ID NO 977139
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Best Local Similarity 88.99
Matches 16, Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo gapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYPE: RNA
, ORGANISM: Homo sapiens
US-10-714-333A-1009712
                             RESULT 905
US-10-714-333A-977139/c
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RESULT 907 US-10-714-333A-1010570/c

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Score 14.8; DB 1; Length 19; Pred. No. 5.3e+02;
APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PILLOR DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1010570
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  APPLICANT: Distinction, inc.
APPLICANT: Khorova, Anaetasia
APPLICANT: Reynolds, Angela
APPLICANT: Respondes, Angela
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PELING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1012452
LENGTH: 19
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; Sequence 1014454, Application US/10714333A
; GENERAL INFORMATION:
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Gaps
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US-10-714-333A-1037156

Sequence 1037156, Application US/10714333A

Sequence 1037156, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Charmacon, Inc.

APPLICANT: Reynold, Angela

APPLICANT: Respond, Angela

APPLICANT: Beake, Devin

APPLICANT: Marshall, William

APPLICANT: Marshall, William

APPLICANT: Beake, Devin

ITTLE OF INVENTION: Functional and Hyperfunctional siRNA

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT PILING DATE: 2003-11-14

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 1037156
                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
       APPLICANT: Scaringe, Stephen;
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA;
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1026435
LENGTH: 19
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IITLE OF INVENTION: Functional and Hyperfunctional siRNA
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0.9%; Score 14.8; DB 1;
Best Local Similarity 72.2%; Pred. No. 5.38+02;
Matches 13; Conservative 3; Mismatches 2;
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GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Revorova, Anastasia
APPLICANT: Revolds, Angela
APPLICANT: Revolds, Angela
APPLICANT: Marshall, William
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APPLICANT: Marshall, William
                                                                                                                                                                                                                                                                                                                                                  TYPE: RNA
ORGANISM: Homo sapiens
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US-10-714-333A-1045681
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US-10-714-333A-1020858

Sequence 1020868, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Arshall, William

APPLICANT: Narshall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-09-10

PRIOR PILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 1020858
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
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                            APPLICANT: ReyLOLDS, CALLED APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PELING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-1026435/C
Sequence 1026435, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Khvorova, Anastasia
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                          Reynolds, Angela
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Best Local Similarity 88.99
Matches 16; Conservative
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Best Local Similarity 50.03
Matches 9; Conservative
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0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02;
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APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1076437
LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349918
CURRENT APPLICATION NUMBER: US/10/714,333A
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Pred. No. 5.3e+02;
3; Mismatches 2;
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; Sequence 1076437, Application US/10714333A
; GENERAL INFORMATION:
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1069406
LENGTH: 19
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 72.2%;
Matches 13; Conservative
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                                                                                                                                                                                                ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1069406
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ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                      Best Local Similarity
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Pred. No. 5.3e+02;
5; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 66.7%; Pred. No. 5.3e+02; Matches 12; Conservative 4; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: Characton, Inc.
APPLICANT: Characton, Anastasia
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1056677
LENGTH: 19
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APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
                              APPLICATION NUMBER: US/10/714,333A
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// Sequence 1069406, Application US/10714333A

// GENERAL INFORMATION:
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                                             CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-10-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1045681
LENGTH: 19
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Best Local Similarity 61.1%;
Matches 11; Conservative
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US-10-714-333A-1045681
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US-10-714-333A-1056677
       REFERENCE: 13499US
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                                                                                                                                                    Length 19;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Characon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 06/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1091236
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1097289, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
ITITLE OF INVENTION: Functional and Hyperfunctional siRNA
ITITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: ROPICEATY
IENGTH: 19
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                                                                                                                                                 0.9%; Score 14.8; DB 1;
88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2;
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0.9%; Score 14.8; DB 1;
Best Local Similarity 83.3%; Pred. No. 5.38+02;
Matches 15; Conservative 1; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                      ; Sequence 1091236, Application US/10714333A; GENERAL INFORMATION:
                                                                                                                                                                                                                                                  1299 CCATGAGTATATCTTCTG 1316
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                                                                                                                                                                                                                                                                                                   18 CAÁTGGGTÁTÁTCTTCTG 1
                                                                                                                                               Query Match 0.99
Best Local Similarity 88.99
Matches 16; Conservative
                                                TYPE: RNA
CRGANISM: Homo sapiens
US-10-714-333A-1089963
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1091236
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  SEQ ID NO 1089963
                         LENGTH:
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APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leak, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/302,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-0-10
PRIOR FILING DATE: 2003-0-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Khvorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FULB REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                 US-10-714-333A-1086381/c
; Sequence 1086381, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 1089963, Application US/10714333A
; GENERAL INFORMATION:
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PRIOR APPLICATION WUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
SUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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                         NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1077879
LENGTH: 19
PRIOR FILING DATE: 2002-11-14
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                                                                                                                                                 ; ORGANISM: Homo sapiens
US-10-714-333A-1077879
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-10-714-333A-1086381
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SEQ ID NO 1086381
LENGTH: 19
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Best Local Similarity
Matches 16; Conserv
                                                                                                                             TYPE: RNA
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Gaps

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Score 14.8; DB 1; Length 19; Pred. No. 5.3e+02;
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APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1139322
LENGTH: 19
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GENERAL INVOCANAL TOTAL
GENERAL TRANSITION
GENERAL APPLICANT:
GENERAL TRANSITION:
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR APPLICATION NUMBER: 60/502,050
FRIOR FILING DATE: 2003-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1145472
LENGTH: 19
                                                   Indele
                                                   4; Mismatches
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; Sequence 1139322, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Bharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      US-10-714-333A-1145472/c
; Sequence 1145472, Application US/10714333A
; GENERAL INFORMATION:
                                                                                          479 TCGGACAGCTGCCATTGG 496
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                                                                                                                                              1 UGGGACAGCUGCAAUUGG 18
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v. marcn 0.9%;
Local Similarity 66.7%;
les 12; Conservative 4
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; ORGANISM: Homo sapiens
US-10-714-333A-1145472
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Matches 16; Conserva
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  Query Match
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Matches
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US-10-714-333A-1099840/C
Sequence 1099840, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-11-14
PRIOR PLILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: PROPTICEATION
LENGTH: 19
LENGTH: 19
                                                                    Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 50.0%; Pred. No. 5.3e+02; Matches 9; Conservative 7; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
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APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOUTHARE: PROPILEATY
SEQ ID NO 1102957
LENGTH: 19
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88.9%;
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Best Local Similarity 88.9
Matches 16; Conservative
  ; ORGANISM: Homo sapiens
US-10-714-333A-1097289
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US-10-714-333A-1099840
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US-10-714-333A-1102957
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US-10-714-333A-1102957
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US-10-714-333A-1157018/C
is Sequence 1157018, Application US/10714333A
is GENERAL INFORMATION:
is APPLICANT: Dearmacon, Inc.
is APPLICANT: Revnoids, Angela
is APPLICANT: Revnoids, Angela
is APPLICANT: Revnoids, Angela
is APPLICANT: Beake, Devin
is APPLICANT: Scaringe, Stephen
is APPLICANT: Scaringe, Stephen
if TILLE OF INVENTION: Functional and Hyperfunctional siRNA
is FILE REPREMENT: 134990s, Stephen
if TILLE OF INVENTION: Functional and Hyperfunctional siRNA
is FILE REPREMENT: 2003-11-14
is PRIOR APPLICATION NUMBER: 60/502,050
is PRIOR FILING DATE: 2003-11-14
is NUMBER OF SEQ ID NOS: 1591911
is SOFTWARE: Proprietary
is SEQ ID NO 1157018
is LENGTH: 19
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                                                                                                                                                                                                                                                                                                    GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 1150268
LENTH: 19
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Pred. No. 5.3e+02;
0; Mismatches 2;
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; Sequence 1150268, Application US/10714333A
; GENERAL INFORMATION:
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Best Local Similarity 88.9%;
Matches 16; Conservative (
19 ACACATGGAGACTTTGAA
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Best Local Similarity 72.23
Matches 13; Conservative
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US-10-714-333A-1150268
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens US-10-714-333A-1157018
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                                                                                                                                                                                                                                                                                                         Sequence 1145849/C

Sequence 115849, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROprietary
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SEQ ID NO 1145849

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                                           419 CCATCGACTTCATTGATG 436
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Best Local Similarity 88.99
Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ; ORGANISM: Homo sapiens
US-10-714-333A-1145849
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US-10-714-333A-1145868
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Pred. No. 5.3e+02;
5; Mismatches 2; Indels
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                                     APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Arsehall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENITION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SQOTWARE: PROPRIETATY
SEQ ID NO 1160582
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Query Match 0.9%; Score 14.8; DB 1; Best Local Similarity 61.1%; Pred. No. 5.38+02; Matches 11; Conservative 5; Mismatches 2;
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PRILING DATE: 2003-10
PRIOR FILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1160681
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Sequence 1160780, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Khvorova, Anastasia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1160681, Application US/10714333A GENERAL INFORMATION:
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                         Anastasia
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Best Local Similarity 61.1%;
Matches 11; Conservative
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; ORGANISM: Homo sapiens.
US-10-714-333A-1160681
                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-714-333A-1160582
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US-10-714-333A-1160681
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Sequence 1160091, Application US/10714333A

Sequence 1160091, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Scephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIECATY
SEQ ID NO 1160091
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2; Indels
                                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Responde, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1157077
                 Sequence 1157077, Application US/10714333A GENERAL INFORMATION:
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; Sequence 1160582, Application US/10714333A
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Best Local Similarity 88.9
Matches 16; Conservative
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Matches 16; Conservative
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US-10-714-333A-1160091
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-333A-1157077/c
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Length 19;
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APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA;
FILE REPRENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
            TITLE OF INVENTION: Functional and Hyperfunctional siRNA FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 08/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPILETY
SEQ ID NO 1179874
LENGTH: 19
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APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITTLE OF INVENTION: Runctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                             Score 14.8; DB 1;
Pred. No. 5.3e+02;
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Pred. No. 5.3e+02;
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; Sequence 1185320, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 1207965, Application US/10714333A
; GENERAL INFORMATION:
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9%;
Scaringe, Stephen
                                                                                                                                                                                                                                                                                                                                                                                                                                                               16, Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1179874
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CORGANISM: Homo sapiens
US-10-714-333A-1185320
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LENGTH: 19
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               APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETE 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1160780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Sequence 1169305/C
Sequence 1169305, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marball, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
FRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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APPLICANT: Choranacon, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
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Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Query Match 0.99
Best Local Similarity 61.1
Matches 11; Conservative
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US-10-714-333A-1160780
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US-10-714-333A-1169305
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Sequence 1225105, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: KNOOVOW, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
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GENERAL INCOMMATION:

APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Responder, Devin
APPLICANT: Scaringe, Stephen
TILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1217017
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Pred. No. 5.3e+02;
0; Mismatches 2;
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Pred. No. 5.3e+02;
2; Mismatches 2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 1217017, Application US/10714333A GENERAL INFORMATION:
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION WUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1215296
LENGTH: 19
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
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Best Local Similarity 77.8%;
Matches 14; Conservative 2
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88.9%;
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Best Local Similarity 88.9
Matches 16; Conservative
                                                                                                                                                              TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1215296
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US-10-714-333A-1217017
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US-10-714-333A-1217017
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88.9%; Pred. No. 5.3e+02;
iive 0; Mismatches 2; Indels
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2002-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-114-333A-1215296/C
Sequence 1215296, Application US/10714333A
Sequence 1215296, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Chorova, Anastasia
APPLICANT: Leake, Devin
APPLICANT: Marshall, Milliam
APPLICANT: Marshall, William
APPLICANT: Applicant: Scaringe, Stephen
TILE OF INVENTION: Functional siRNA
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CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
    CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14
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; Sequence 1214827, Application US/10714333A
GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
            PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2003-09-10
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1207965
LENTH: 19
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Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservátive
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CORGANISM: Homo sapiens
US-10-714-333A-1207965
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Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 83.3%; Pred. No. 5.3e+02; Matches 15; Conservative 1; Mismatches 2; Indels
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APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Searings, Stephen
TILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO: 1242877
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APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Dovin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ IN NOS: 1591911
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Pred. No. 5.3e+02;
5; Mismatches 2;
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APPLICANT: Dharmacon, Inc.
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Best Local Similarity 61.1%;
Matches 11; Conservative
                               TYPE: RNA
ORGANISM: Homo sapiens
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ORGANISM: Homo sapiens
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                                                                               US-10-714-333A-1233049
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US-10-714-333A-1225133/C

Sequence 1225133, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Marball, William
APPLICANT: Marball, William
APPLICANT: Marball, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-09-10
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: PROPICEATION
LENGTH: 19
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88.9%; Pred. No. 5.3e+02;
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APPLICANT: Dharmacon, Inc.
APPLICANT: Charmacon, Inc.
APPLICANT: Revorolds, Angela
APPLICANT: Revorolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA; FILE REFERENCE: 13499US; CURRENT APPLICATION NUMBER: US/10/714,333A; CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIECTEY
SOFTWARE: PROPRIECTEY
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NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1225105
LENGTH: 19
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Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1225105
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US-10-714-333A-1225133
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US-10-714-333A-1233049
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0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02;
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APPLICANT: Character, Angela
APPLICANT: Rayolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502.050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1266936
LENGTH: 19
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APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPRENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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  61.1%; Pred. No. 5.3e+02;
ive 5; Mismatches 2;
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88.9%; Pred. No. 5.3e+02;
tive 0; Mismatches 2;
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; Sequence 1266936, Application US/10714333A
; GENERAL INFORMATION:
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                                                                            341 TGATGGAGGTGCAGCATT 358
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
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Best Local Similarity 61.1
Matches 11; Conservative
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Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1266936
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ORGANISM: Homo sapiens
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US-10-714-333A-1274603/c
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US-10-714-333A-1265040

Sequence 1265040, Application US/10714333A

Sequence 1265040, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: CAVOTOVA, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
FRIOR PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1265040

LENGTH.: 19
                                            Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 55.6%; Pred. No. 5.3e+02; Matches 10; Conservative 6; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: Education American Applicant: Reynolds, Angela APPLICANT: Reynolds, Angela APPLICANT: Reynolds, Angela APPLICANT: Respinolds, Angela APPLICANT: Marchall, William APPLICANT: Scaringe, Stephen TITLE OF INVENTION: Functional and Hyperfunctional sirNA; FILE REFERENCE: 13499US CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14 PRIOR PELING DATE: 2003-10-10 PRIOR APPLICATION NUMBER: 60/502,050 PRIOR FILING DATE: 2003-10-14 PRIOR FILING DATE: 2003-10-14 NUMBER OF SEQ ID NOS: 1591911 SOFFWARE: PROPRIECATY

SOFFWARE: PROPRIECATY

LENGTH: 19
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APPLICANT: Dharmacon, Inc.
                                                                                                                                                   379 TTCATCGCTGGCCTGTGT 396
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                                                                                                                                                                                   2 UUCACCGCUGACCUGUGU 19
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US-10-714-333A-1264196
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                                                                                                                                                                                                                                                                         RESULT 947
US-10-714-333A-1264196/c
US-10-714-333A-1263871
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J Sequence 1307426, Application US/10714333A

Sequence 1307426, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Revnoids, Anastasia
APPLICANT: Revnoids, Angela
APPLICANT: Revnoids, Angela
APPLICANT: Beake, Devin
APPLICANT: Beake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFREENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2002-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary
INMERT PROPRIETARY
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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                                                                                                                              APPLICANT: Dharmacon, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Characton, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional siRNA
ITILE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
                                                                        US-10-714-333A-1289584/c
; Sequence 1289584, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       955 TGTGTTCCTGTCTTTGCC 972
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Best Local Similarity 88.9
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ORGANISM: Homo sapiens
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LENGTH: 19
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US-10-714-333A-1276927

Sequence 1276927, Application US/10714333A

Sequence 1276927, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Norova, Anastasia

APPLICANT: Reynolds, Angela

APPLICANT: Reynolds, Angela

APPLICANT: Scarings, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 1349910

FILE REFERENCE: 1349910

FRIOR PELICATION NUMBER: 60/502,050

PRIOR APPLICATION NUMBER: 60/426,137

PRIOR FILING DATE: 2003-11-14

NUMBER OF SEQ ID NOS: 1591911

SEQ ID NO 1276927

LENGTH: 19

TWEED. DATE: Proprietary

LENGTH: 19

TWEED. DATE: Proprietary

SEQ ID NO 1276927
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Score 14.8; DB 1; Length 19; Pred. No. 5.3e+02; 0; Mismatches 2; Indels
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                                                                                                                                                                                                     APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respinal, Milliam
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1274651
LENGTH: 19
                                                                                                                                   US-10-714-333A-1274651/c
; Sequence 1274651, Application US/10714333A
; GENERAL INFORMATION:
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TCATCCGCAAGTCCCTGC 331
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 50.03
Matches 9; Conservative
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; ORGANISM: Homo sapiens
US-10-714-333A-1274651
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US-10-714-333A-1276927
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Sequence 1361160, Application US/10714333A

Sequence 1361160, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Characon, Inc.
APPLICANT: Reynold, Angela
APPLICANT: Respond, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scatinge, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1331160
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indele
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Score 14.8; DB 1; Length 19; Pred. No. 5.3e+02;
                                       APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REPRENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SQFTWARE: Proprietary
SQFTWARE: Proprietary
LENGTH: 19
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; Sequence 1363256, Application US/10714333A
; GENERAL INFORMATION:
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                          Khvorova, Anastasia
Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18 AAGAGCTGATGGAGGAGC 1
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Reynolds, Angela
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les 16; Conservative
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APPLICANT: Khvorova, Anast
APPLICANT: Reynolds, Ange.
                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1361062
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1361160
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Matches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; ive 0; Mismatches 2; Indels
                                                            APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Beake, Devin
APPLICANT: Marshall, William
APPLICANT: NUMBER: Stephen
ITLE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1308952
LENGTH: 19
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APPLICANT: Characon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Responded, Angela
APPLICANT: Responded, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
TITLE OF INVENTION: Punctional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR PLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 1336185
LENGTH: 19
US-10-714-333A-1308952/c
; Sequence 1308952, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  US-10-714-333A-1336185/c; Sequence 1336185, Application US/10714333A; GENERAL INFORMATION:
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Best Local Similarity 88.9
Matches 16, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1308952
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US-10-714-333A-1336185
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US-10-714-333A-1361062/c
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0.9%; Score 14.8; DB 1; Length 19;
51.1%; Pred. No. 5.3e+02;
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18.9%; Pred. No. 5.3e+02;
ve 0; Mismatches 2; Indels
                                                                                                        ; TITLE OF INVENTION: Functional and Hyperfunctional sirNA; FILE REFERENCE: 13499US; CURRENT APPLICATION NUMBER: US/10/714,333A; CURRENT FILING DATE: 2003-11-14; PRIOR APPLICATION NUMBER: 60/502,050; PRIOR PLING DATE: 2003-09-10; PRIOR FILING DATE: 2003-11-14; NUMBER OF SEQ ID NOS: 1591911; SOFTWARE: Proprietary; SEQ ID NOS: 1591911; SEQ ID NOS: 1591911; SEQ ID NOS: 1591911
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT PRING DATE: 2003-11-14
PRIOR PRING DATE: 2003-11-14
PRIOR PRING DATE: 2003-10
PRIOR PRILING DATE: 2003-10
PRIOR PLILING DATE: 2003-10
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APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
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Sequence 1374565, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Chorcova, Anastasia
APPLICANT: Reynolds, Angela
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; Sequence 1374574, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anaetasia
; APPLICANT: Reynolds, Angela
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Reynolds, Angela
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SOFTWARE: Proprietary
SEQ ID NO 1374565
LENGTH: 19
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                           ORGANISM: Homo sapiens
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                                                                                                                                                                                                                                                                                                                                                                                                                             US-10-714-333A-1372643
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Query Match
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Marshall, William

"LLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional sirna
FILE REFERENCE: 13499US
CURRENT PELING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 06/502,050
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1363256
LENGTH: 19
TYPE: PV.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1553280, Application US/10714333A

Sequence 1553280, Application US/10714333A

GENERAL INFORMATION:

APPLICANT: Dharmacon, Inc.

APPLICANT: Exprolds, Angela

APPLICANT: Exprolds, Angela

APPLICANT: Leake, Devin

APPLICANT: Barnage, Stephen

APPLICANT: Marshall, William

APPLICANT: Scaringe, Stephen

TITLE OF INVENTION: Functional and Hyperfunctional siRNA

FILE REFERENCE: 13499US

CURRENT FILING DATE: 2003-11-14

PRIOR PELING DATE: 2003-09-10

PRIOR PILING DATE: 2003-09-10

PRIOR PILING DATE: 2002-11-14

NUMBER: OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

LENTHARE: Proprietary

LENTHARE: Proprietary

LENTHARE: Proprietary

LENTHARE: Proprietary
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; Sequence 1372643, Application US/10714333A
; GENERAL INFORMATION:
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Kryozova, Anastasia
; APPLICANT: Leake, Devin
; APPLICANT: Marshall, William
; APPLICANT: Assensial, William
; APPLICANT: Scaringe, Stephen
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AGGUUGGGUUCCUGAUUA 19
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Reynolds, Angela
Leake, Devin
Marshall, William
Scaringe, Stephen
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Best Local Similarity 55.0%
Chest Local 10; Conservative
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Best Local Similarity 55.69
Matches 10; Conservative
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US-10-714-333A-1363256
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ; ORGANISM: Homo sapiens
US-10-714-333A-1363280
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US-10-714-333A-1363280
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                                                                                                                                                                                                                                                                                                                                   Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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Sequence 1392126, Application US/10714333A

Sequence 1392126, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Chrorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR PILING DATE: 2002-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SEQ ID NO 1392126
LENGTHER: PROPLICATION
CURRENT: PRIOR PRIO
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
RIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
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PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1391222
LENGTH: 19
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88.9%;
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                                                                                                                                                                                                                                                                                                                            Query Match
Best Local Similarity 88.9°
Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
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CORGANISM: Homo sapiens
US-10-714-333A-1391222
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US-10-714-333A-1392227/c
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APPLICANT: Dharmacon, Inc.
APPLICANT: Rhoorova, Anastasia
APPLICANT: Reynolda, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1391199
LENGTH: 19
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US-10-714-333A-1391222/C
; Sequence 1391222, Application US/10714333A
; GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Kivorova, Anaetasia
APPLICANT: Kivorova, Angela
APPLICANT: Reske, Devin
APPLICANT: Beake, Devin
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION: VENCTIONAL
CURRENT FILING DATE: 2003-11-14
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 2; Indels
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; Sequence 1391199, Application US/10714333A
; GENERAL INFORMATION:
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SOFTWARE: Proprietary
LENGTH: 19
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Best Local Similarity 88.9%;
Matches 16; Conservative
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Matches 16; Conservative
                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1374574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ; ORGANISM: Homo Bapiens
US-10-714-333A-1391199
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Query Match 0.9%; Score 14.8; DB 1; Length 19; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                     US-10-14-333A-14U8D53/C

SEQUENCE 1408959, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Khvorova, Ansatasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Sezinge, Sephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
PRIOR PLING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1408959
LENGTH: 19
                                                                         Query Match 0.9%; Score 14.8; DB 1; Best Local Similarity 88.9%; Pred. No. 5.3e+02; Matches 16; Conservative 0; Mismatches 2;
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US-10-714-333A-1408959
                ; ORGANISM: Homo sapiens US-10-714-333A-1408908
                                                                                                                                                                                                                                                            RESULT 970
US-10-714-333A-1408959/c
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US-10-714-333A-1412087
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US-10-714-333A-1408908/C
Sequence 1408908, Application US/10714333A
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR PLILNG DATE: 2002-91-10
PRIOR PLILNG DATE: 2002-11-14
NUMBER: OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1408908
                                                                                                                                                                                                                                                                                                               US-10-714-333A-1394653
US-10-714-333A-1394653
Sequence 1394653, Application US/10714333A
Sequence 1394653, Application US/10714333A
Sequence 1394653, Application US/10714333A
Septicant: Darmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Saringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPLICATION
LENGTH: 19
LENGTH: 19
LENGTH: 19
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Pred. No. 5.3e+02;
7; Mismatches 2; Indels
                                                                                                                                      Query Match
0.9%; Score 14.8; DB 1; Length 19;
Best Local Similarity 88.9%; Pred. No. 5.3e+02;
Matches 16; Conservative 0; Mismatches 2; Indels
                                                                                                                                                                                                                        1052 TGCTGCTCATCTTTG 1069
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Best Local Similarity 50.0%;
Matches 9; Conservative 7
                                                                             , ORGANISM: Homo sapiens
US-10-714-333A-1392227
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ; ORGANISM: Homo sapiens
US-10-714-333A-1394653
SOFTWARE: Proprietary
SEQ ID NO 1392227
LENGTH: 19
                                                               TYPE: RNA
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
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                                                                                                                                                                                                                                                                                                 APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE RERERENCE: 134990US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Respundes, Angela
APPLICANT: Respundes, Angela
APPLICANT: Respundes, Angela
APPLICANT: Scaringe, Stephen
FILE REFERENCE: 13499US
CURRENT PILLORICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR PILLORICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
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0; Mismatches
                                                                                                                                                               RESULT 974
US-L0-714-333A-1421876/c
; Sequence 1421876, Application US/10714333A
; GENERAL INFORMATION:
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; Sequence 1423069, Application US/10714333A
; GENERAL INFORMATION:
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                                            875 TCAGGTGGAATTATGTGG 892
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                                                                                              18 TCAGATGGAAATATGTGG 1
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match 0.9%;
Best Local Similarity 88.9%;
Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
16, Conservative
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ORGANISM: Homo sapiens
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US-10-714-333A-1423069
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Matches
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                   Score 14.8; DB 1; Length 19;
Pred. No. 5.3e+02;
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88.9%; Pred. No. 5.3e+02;
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APPLICANT: Khvorova, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Responds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scarings, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFREENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1417073
LENGTH: 19
                                                                                                                                                                                                                                                                                                                            APPLICANT: Characon, Inc.
APPLICANT: Characon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Leake, bevin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-10-14
PRIOR PLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PRIOR DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO: 1444040
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                                                                        2; Indels
                                                                     5; Mismatches
                                                                                                                                                                                                                                   RESULT 972
US-10-714-333A-1414040/C
; Sequence 1414040, Application US/10714333A
; GENERAL INFORMATION:
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Sequence 1417073, Application US/10714333A
GENERAL INFORMATION:
                                                                                                                  1046 TCATGCTGCTGCTCATCT 1063
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                      Query Match 0.9%;
Best Local Similarity 61.1%;
Matches 11; Conservative
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Best Local Similarity 88.9
Matches 16, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ; ORGANISM: Homo sapiens
US-10-714-333A-1414040
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US-10-714-333A-1417073
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Best Local Similarity
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US-10-714-333A-1521339/c

US-10-714-333A-1521339/c

Sequence 1521339, Application US/10714333A

Sequence 1521339, Application US/10714333A

SEQUENCE 1521339, Application US/10714333A

APPLICANT: Dharmacon, Inc.

APPLICANT: Reynolds, Angela

APPLICANT: Beake, Devin

APPLICANT: Beake, Devin

APPLICANT: Marshall, William

CURRENT FILING DIE: 2003-11-14

PRIOR APPLICATION NUMBER: 60/502,050

PRIOR PILING DATE: 2002-11-14

PRIOR PILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SEQ ID NO 1521339

LENGTHER: PROPRIED NOS: 1591911

SEQ ID NO 1521339
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                                                                                                                   APPLICANT: Dharmacon, Inc.
APPLICANT: Dharmacon, Inc.
APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 00/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLICANT DATE: 2003-11-14
SOFTWARE: Proprietary
SEQ ID NOS: 1591911
SEQ ID NO 1519627
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Pred. No. 5.3e+02;
0; Mismatches 2;
                                                    US-10-714-333A-1519627; Sequence 1519627, Application US/10714333A; GENERAL INFORMATION:
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88.9%;
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Best Local Similarity 72.2<sup>†</sup>
Matches 13; Conservative
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Best Local Similarity 88.9°
Matches 16; Conservative
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ORGANISM: Homo sapiens
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CORGANISM: Homo sapiens
US-10-714-333A-1521339
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US-10-714-333A-1525271/c
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                                                                                                   US-10-71-33A-1461394/C

Sequence 1461394, Application US/10714333A

Sequence 1461394, Application US/10714333A

GENERAL INFORMATION:
APPLICANT: Darmacon, Inc.
APPLICANT: Revnoids, Anastasia
APPLICANT: Revnoids, Angela
APPLICANT: Responds, Angela
APPLICANT: Leake Devin
APPLICANT: Scaringe, Stephen
ITILE OF INVENTION: Functional and Hyperfunctional sirNA
FILE REPERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1461394
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: Dharmacon, Inc.
APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Beach, Devin
APPLICANT: Marshall, William
FILE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2003-09-10
PRIOR PAPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
SOFTWARE: Proprietary
SEQ ID NO 1464324
LENGTH: 19
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; Sequence 1464324, Application US/10714333A
; GENERAL INFORMATION:
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GATGTAGACCATGATGTT 2
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US-10-714-333A-1461394
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US-10-714-333A-1464324
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Length 19;
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51.1%; Pred. No. 5.3e+02;
                                          APPLICANT: Revisions, Augusta
APPLICANT: Reshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-01-10
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PLING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: PROPRIETARY
SEQ ID NO 1540797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                APPLICANT: MINIMENT: Anstabla
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Marchall, William
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SEQ ID NO 1544504
LENGTH: 19
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 14.8; DB 1;
Fred. No. 5.3e+02;
0; Mismatches 2;
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US-10-714-333A-1545594/c
; Sequence 1545594, Application US/10714333A
; Sequence 1545594, Application US/10714333A
; Sexuence 1545594, Application US/10714333A
; APPLICANT: Dharmacon, Inc.
; APPLICANT: Khvorova, Anastasia
; APPLICANT: Revnolds, Angela
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                US-10-714-333A-1544504; Sequence 1544504; GENERAL INFORMATION: APPLICANT: Dharmacon, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1343 TCATGCTGATACTCTTCC 1360
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Best Local Similarity 88.9%;
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                                                                                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1540797
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
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Matches 11; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.9%; Score 14.8; DB 1; Length 19; 88.9%; Pred. No. 5.3e+02; tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Score 14.8; DB 1; Length 19; Pred. No. 5.3e+02;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | SERIERAL INCORNATION: | SERIERAL INFORMATION: | APPLICANT: Dharmacon, Inc. | APPLICANT: Dharmacon, Inc. | APPLICANT: Bytorious, Ansetasia | APPLICANT: Rytorious, Ansetasia | APPLICANT: Rytorious, Ansetasia | APPLICANT: Rytorious, Ansetasia | APPLICANT: Reynolds, Angela | APPLICANT: Barshall, William | APPLICANT: Scartinge, Stephen | ITLE OF INVENTION: Functional and Hyperfunctional siRNA | FILE REFREENCE: 13499US | CURRENT APPLICATION NUMBER: US/10/714,333A | CURRENT APPLICATION NUMBER: 60/502,050 | PRIOR PLING DATE: 2003-11-14 | PRIOR PLING DATE: 2003-11-14 | PRIOR FILING DATE: 2003-10-16 | PRIOR FILING DATE: 2003-10-17 | NUMBER OF SEQ ID NOS: 1591911 | SOFTWARE: Proprietary | SEQ ID NO 1540338 | LENGTH: 19
                                                                       APPLICANT: Khvorova, Anastasia, APPLICANT: Reynolds, Angela APPLICANT: Reynolds, Angela APPLICANT: Respondes, Angela APPLICANT: Leake, Devin APPLICANT: Marchall, William APPLICANT: Marchall, William APPLICANT: Scaringe, Stephen TITLE OF INVENTION: PUNCtional and Hyperfunctional siRNA; FILE REFERENCE: 13499US CURRENT APPLICATION NUMBER: US/10/714,333A CURRENT FILING DATE: 2003-11-14; PRIOR APPLICATION NUMBER: 60/426,137 PRIOR APPLICATION NUMBER: 60/426,137 PRIOR PILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SEQ ID NO 1525271

LENGTH: 19
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Sequence 1525271, Application US/10714333A GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   US-10-714-333A-1540797/c
; Sequence 1540797, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1521 AACTTTCTGGGGGCTGGT 1538
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 297 GAAACAGAAAGTTTTCAT 314
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Best Local Similarity 72.2%;
Matches 13; Conservative
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Best Local Similarity 88.99
Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-10-714-333A-1525271
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  , ORGANISM: Homo sapiens
US-10-714-333A-1540338
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   APPLICANT: Characton, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Respirate, Stephen
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
FILE REFERENCE: 13499US
CURRENT APPLICATION WUMBER: 08/10/714,333A
CURRENT APPLICATION NUMBER: 60/502,050
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOCTHARRE: Proprietary
SEQ ID NO 1550559
LENGTH: 19
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APPLICANT: Rhyorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
ATTLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                           CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
LENGTH: 19
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US-10-714-333A-1550559/c
; Sequence 1550559, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 988
US-10-714-333A-1556457/c
'Sequence 1556457, Application US/10714333A
; GENERAL INFORMATION:
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Matches 16; Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TYPE: RNA
ORGANISM: Homo sapiens
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Marshall, William

JICANT: Scaringe, Stephen

TILE OF INVENTION: Functional and Hyperfunctional sirna
FILE REPERENCE: 11499US

CURRENT APPLICATION NUMBER: US/10/714,333A

CURRENT FILING DATE: 2003-11-14

PRIOR PILING DATE: 2003-09-10

PRIOR FILING DATE: 2003-09-10

PRIOR FILING DATE: 2002-11-14

NUMBER OF SEQ ID NOS: 1591911

SOFTWARE: Proprietary

SEQ ID NO 1545594

LENGTH: 19

TYPE: PV.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             APPLICANT: DATAMACON, Inc.
APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 1349908
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ IN NOS: 1591911
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APPLICANT: Chvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        US-10-714-333A-1545601/c
; Sequence 1545601, Application US/10714333A
; GENERAL INFORMATION:
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US-10-714-333A-1550492/c
; Sequence 1550492, Application US/10714333A
; GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1346 TGCTGATACTCTTCCTTG 1363
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1346 TGCTGATACTCTTCCTTG 1363
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US-10-714-333A-1545594
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CORGANISM: Homo sapiens
US-10-714-333A-1545601
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LENGTH: 19
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Sequence 157.059,
Sequence 157.059,
GENERAL INFORMATION:
APPLICANT: Dharmacon, Inc.
APPLICANT: Charmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Reynolds, Angela
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Marchall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: 05/502,050
FRIOR PILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1572059
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Length 19;
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APPLICANT: Dharmacon, Inc.
APPLICANT: Reynolds, Angela
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Marshall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: G0/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
                                                                                                                                                                                                                                                                        2; Indels
                                                                                                                                                                                                                     Score 14.8; DB 1;
Pred. No. 5.3e+02;
0; Mismatches 2;
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0.9%; Score 14.8; DB 1;
Best Local Similarity 77.8%; Pred. No. 5.3e+02;
Matches 14; Conservative 2; Mismatches 2;
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US-10-714-333A-1574748
; Sequence 1574748, Application US/10714333A
; GENERAL INFORMATION:
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                                                                                                                                                                                                                                                                                                                       520 TTTCTGTCCACCCTGTTG 537
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                                                                                                                                                                                                                        Query Match
Best Local Similarity 88.9%;
Matches 16; Conservative
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NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
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US-10-714-333A-1572059
                                                                                                                             TYPE: RNA
ORGANISM: Homo sapiens
  PRIOR FILING DATE: 200
NUMBER OF SEQ ID NOS:
SOFTWARE: Proprietary
LENGTH: 19
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Pred. No. 5.3e+02;
0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                 0.9%; Score 14.8; DB 1; Length 19;
88.9%; Pred. No. 5.3e+02;
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APPLICANT: Khvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Leake, Devin
APPLICANT: Leake, Devin
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
APPLICANT: Scaringe, Stephen
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APPLICANT: Leake, Devin
APPLICANT: Marehall, William
APPLICANT: Scaringe, Stephen
TITLE OF INVENTON: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-13-14
PRIOR FILING DATE: 2003-09-10
PRIOR FILING DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFWWARE: Proprietary
SEQ ID NO 1562901
                                                                                                                                                                                                                                                                                                                                                0; Mismatches
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     JS-10-714-333A-1562901/c
; Sequence 1562901, Application US/10714333A
; GENERAL INFORMATION:
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; PRIOR APPLICATION NUMBER: 60/502,050
; PRIOR FILING DATE: 2003-09-10
; PRIOR PELING NUMBER: 60/426,137
; PRIOR FILING DATE: 2002-11-14
; NUMBER OF SEQ ID NOS: 1591911
; SEQ ID NO 1556457
; LENGTH: 19
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PRIOR APPLICATION NUMBER: 60/502,050
PRIOR FILING DATE: 2003-09-10
PRIOR APPLICATION NUMBER: 60/426,137
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Reynolds, Angela
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Matches 16; Conservative
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Best Local Similarity 88.9
Matches 16; Conservative
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APPLICANT: Khvorova, Anas
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US-10-714-333A-1562901
                                                                                                                                                                                                                          ; ORGANISM: Homo sapiens
US-10-714-333A-1556457
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                                                                                                                                                                                                      TYPE: RNA
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i Length 19;

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0.9%; Score 14.8; DB 1;
88.9%; Pred. No. 5.3e+02;
vative 0; Mismatches 2;
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Job time : 21 secs
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                                             Query Match 0.9
Best Local Similarity 88.9
Matches 16, Conservative
US-60-216-745-5787
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APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Blumenfeld, Marta
APPLICANT: Chumakov, Ilya
APPLICANT: Abderrahim, Hadi
APPLICANT: Abderrahim, Hadi
APPLICANT: Dufaure-Gare, Isabelle
TITLE OF INVENTION: BIALLELIC MARKER MAPS FOR USE IN CONSTRUCTING A HIGH DENSITY...
FILE REPERENCE: 44.013. PRO
CURRENT APPLICATION NUMBER: US/60/216,745
CURRENT FILING DATE: 2000-06-30
NUMBER OF SEQ ID NOS: 13665
SOFTWARE: Patent.pm
SEQ ID NO 5787
LENGTH: 19
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LOCATION: 1..19
OTHER INFORMATION: upstream amplification primer 99-22790 for SEQ 1256,
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GENERAL INFORMATION.

APPLICANT: Rhvorova, Anastasia
APPLICANT: Reynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Resynolds, Angela
APPLICANT: Restring, Stephen
TITLE OF INVENTION: Functional and Hyperfunctional siRNA
FILE REFERENCE: 13499US
CURRENT APPLICATION NUMBER: US/10/714,333A
CURRENT FILING DATE: 2003-11-14
PRIOR PLILOR DATE: 2003-09-10
PRIOR PLILOR DATE: 2002-11-14
NUMBER OF SEQ ID NOS: 1591911
SOFTWARE: Proprietary
SEQ ID NO 1585972
LENGTH: 19
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Best Local Similarity 55.6<sup>†</sup>
Matches 10; Conservative
                                             TYPE: RNA
CORGANISM: Homo sapiens
US-10-714-333A-1574748
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Homo sapiens
US-10-714-333A-1585972
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SEQ ID NO 1574748
LENGTH: 19
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APPLICANT: Wyeth
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APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ASEGNATHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
ENOTH NO 37782
LENGTH: 25
TYPE: DAA
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2-10-956-157-37782
; Sequence 37782, Application US/10956157
; GENERAL INFORMATION:
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GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
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US-10-956-160-28158
US-10-956-157-37781
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US-10-956-157-37781
US-10-956-157-3781
US-10-956-157-3781
US-10-952-458-523
US-10-812-522-477
US-10-812-522-477
US-10-812-522-477
US-10-812-588-477
US-10-812-488-170
US-10-951-303-1578
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US-10-951-303-1945
US-10-951-303-3459
US-60-522-459-11110
US-60-522-459-5757
US-60-522-459-9257
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US-10-951-303-2129
US-60-522-459-14042
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                                                                                                                                                                                            2004, 12:59:58
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Maximum Match 100%
Listing first 85 summaries
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Gapop 10.0 , Gapext 0.5
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Match Length
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Perfect score:
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equence 2715, equence 1508, equence 4058, equence 6025, equence 2567,	equence 501, equence 6518, equence 10001, equence 1665, equence 5756, equence 6702, equence 10772,	equence 12857, equence 13510, equence 13510, equence 14055, equence 1388, equence 2625, equence 2625, equence 5655, equence 5655,	quence 1283 quence 8382 quence 1399 quence 1101 quence 170 quence 2579 quence 2579 quence 3570 quence 3570	equence 5213, equence 6725, equence 6724, equence 7775, equence 7375, equence 7376, equence 9304, equence 93149, equence 93149	aquence 9999, aquence 10676, aquence 13126, aquence 13406, aquence 19674, aquence 19574
0-522-459-271 0-951-303-150 0-522-459-405 0-522-459-602 0-951-303-256	-60 -522 -459 -4 -60 -522 -459 -6 -60 -522 -459 -1 -60 -522 -459 -1 -60 -522 -459 -1 -60 -522 -459 -5 -60 -522 -459 -5 -60 -522 -459 -5	60.522-459-1285 60.522-459-6913 60.522-459-1405 60.522-459-1405 60.522-459-1388 60.522-459-2625 60.522-459-2625	60.522.459.9128.66.522.459.9188.260.522.459.1449.918.260.522.459.11449.919.919.919.919.919.919.919.919.	-60 -522 -459 -5 -60 -522 -459 -6 -60 -522 -459 -6 -60 -522 -459 -7 -60 -522 -459 -7 -60 -522 -459 -9 -60 -522 -459 -9	-522-459-1994 -522-459-1994 -522-459-106 -522-459-131 -522-459-134 -522-459-134 -522-459-134
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ALIGNMENTS

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### APPLICANT: Mounts, William

| TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
| TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
| FILE REFERENCE: 031896-043000 (AM 101081)
| CURRENT APPLICATION NUMBER: US/10/956,157
| CURRENT FILING DATE: 2004-10-04
| NUMBER OF SEQ ID NOS: 319805
| SOOTWARE: Patentin version 3.2
| SEQ ID NO 37778
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APPLICANT: Wounts, William
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT APPLICATION DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
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APPLICANT: Wyeth
APPLICANT: Wyeth
APPLICANT: Wounts, William
APPLICANT: Mounts, William
APPLICANT: Mounts, William
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REPERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PATENTIN VERSION 3.2
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Pred. No. 5.4;
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GENERAL INFORMATION:
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; Sequence 51378, Application US/10956157
; GENERAL INFORMATION:
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Matches 21, Conservative
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                                                                                                                                                                                                                                                                                                                                                                                                                     Best Local Similarity
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Matches 21; Conser
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US-10-956-157-37781
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LENGTH: 25
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                                                                                                                                                                                                                                                                                                            TYPE: DNA
                                                                                                                                                                                                                                                                                                                                                                                                Query Match
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APPLICATT: Wyeth
APPLICATT: Wounts, william
APPLICATT: Wounts, william
TITLE OF INVENTION: UCLERIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTECARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION UMBER: US/10/956,157
CURRENT APPLICATION UMBER: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: PatentIn version 3.2
SEQ ID NO 149185
LENGTH: 25
                                                                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: Mounte, William M
TITLE OF INVENTION: NUCLEIC ACID ARRAYS FOR DETECTING GENE EXPRESSION IN ANIMAL
TITLE OF INVENTION: MODELS OF INFLAMMATORY DISEASES
FILE REFERENCE: 031896-044000 (AMI010084)
CURRENT APPLICATION NUMBER: US/10/956,160
CURRENT FILING DATE: 2004-110-04
NUMBER OF SEQ ID NOS: 222274
SEQ ID NO 20158
LENGTH: 25
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100.0%; Pred. No. ...
0; Mismatches
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Pred. No. 4.9;
0; Mismatches
                                                                                                                                                       Score 20.2; Di
Pred. No. 3.3;
                                                                                                                                                                                                0; Mismatches
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; Sequence 149185, Application US/10956157
; GENERAL INFORMATION:
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; Sequence 28158, Application US/10956160
; GENERAL INFORMATION:
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; Sequence 37778, Application US/10956157
; GENERAL INFORMATION:
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                                                                                                                                         Query Match
Best Local Similarity 88.0'
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                                                                                       ; ORGANISM: Probe Sequence
US-10-956-157-37782
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US-10-956-157-149185
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Best Local Similarity
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Best Local Similarity
Matches 20; Conserv
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; OTHER INFORMATION: Description of Artificial Sequence: Target Sequence/siNA sense re
US-10-832-522-170
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APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene
TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sinA)
FILE REPERENCE: 400/154 (MBHB04-378-B)
CURRENT APPLICATION NUMBER: US/10/832,522
CURRENT PILING DATE: 2004-04-26
PRIOR FILING DATE: 2004-04-15
PRIOR APPLICATION NUMBER: US 10/757,803
PRIOR FILING DATE: 2004-01-14
PRIOR FILING DATE: 2003-11-24
PRIOR PELICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR APPLICATION NUMBER: PCT/US03/05346
PRIOR FILING DATE: 2003-02-20
PRIOR PELICATION NUMBER: US 60/358,580
PRIOR FILING DATE: 2002-02-0
PRIOR FILING DATE: 2002-02-0-1
PRIOR FILING DATE: 2002-03-01
PRIOR FILING DATE: 2004-04-23
PRIOR PLICATION NUMBER: US 10/825,485
PRIOR PLICATION NUMBER: US 10/757,803
PRIOR PLILING DATE: 2004-01-15
PRIOR PLILING DATE: 2004-01-14
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR PLILING DATE: 2003-11-24
PRIOR PLILING DATE: 2003-10-23
PRIOR PLILING DATE: 2003-10-23
PRIOR PLILING DATE: 2003-10-23
PRIOR PLILING DATE: 2003-05-23
PRIOR PLILING DATE: 2003-05-23
PRIOR PLILING DATE: 2003-02-20
PRIOR PLILING DATE: 2003-02-20
PRIOR PLILING DATE: 2002-02-11
PRIOR PRIOR PLILING DATE: 2002-02-03
PRIOR PLILING DATE: 2002-02-03
PRIOR PLILING DATE: 2002-03-11
PROMARE PLILING DATE: 2002-03-11
PROMARE: PALENTING DATE: 2002-03-11
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 84.2%;
Matches 16; Conservative
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LENGTH: 25
TYPE: ....
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 5323
LENGTH: 21
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APPLICANT: Sirna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene
TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sINA)
FILE REFERENCE: 400/154 (MBHB04-378-B)
CURRENT APPLICATION WUMBER: US/10/832,522
CURRENT FILING DATE: 2004-04-26
PRIOR APPLICATION NUMBER: US 10/930,569
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Pred. No. 6.5;
0; Mismatches 2; Indels
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                                                     951 CCTCTGTGTTCCTGTCTTTGCCAA
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Best Local Similarity 85.77
Matches 18; Conservative
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Best Local Similarity 90.9
Matches 20; Conservative
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ORGANISM: Probe Sequence
US-10-956-157-193674
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; ORGANISM: Human
US-60-522-459-5323
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### AFFILAMI: "MCSWIGGEN, Vance Addiated Inhibition of Hairless (HR) Gene TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene; TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (siNA) FILE REFRENCE: 400/153 (MBHB04-378-A)

CURRENT APPLICATION NUMBER: US 10/30,569

CURRENT FILING DATE: 2004-04-15

PRIOR APPLICATION NUMBER: US 10/757,803

PRIOR PILING DATE: 2004-01-14

PRIOR PILING DATE: 2004-01-14

PRIOR PILING DATE: 2003-11-24

PRIOR PILING DATE: 2003-11-24

PRIOR PILING DATE: 2003-11-24

PRIOR PILING DATE: 2003-05-23

PRIOR PILING DATE: 2003-05-23

PRIOR PILING DATE: 2003-05-20

PRIOR PILING DATE: 2003-05-20

PRIOR FILING DATE: 2003-02-20

PRIOR FILING DATE: 2003-02-20

PRIOR FILING DATE: 2003-02-20

PRIOR FILING DATE: 2003-02-20

PRIOR PILING DATE: 2003-02-20

PRIOR PILING DATE: 2003-02-20

PRIOR PILING DATE: 2003-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11

PRIOR PILING DATE: 2002-03-11
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US-10-830-569-477
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Sequence 170, Application US/10825485

Sequence 170, Application US/10825485

Sequence 170, Application US/10825485

SENERAL INFORMATION:

APPLICANT: Sirna Therapeutics, Inc.

APPLICANT: McSwiggen, James

TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sinn)

TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sinn)

CURRENT APPLICATION NUMBER: US/10/825,485

CURRENT APPLICATION NUMBER: US 10/757,803

PRIOR APPLICATION NUMBER: US 10/757,803

PRIOR FILING DATE: 2003-10-23

PRIOR FILING DATE: 2003-10-23

PRIOR FILING DATE: 2003-05-23

PRIOR FILING DATE: 2003-05-23

PRIOR FILING DATE: 2003-02-20

PRIOR FILING DATE: 2003-02-20

PRIOR FILING DATE: 2003-02-20

PRIOR PLILING DATE: 2003-02-20

PRIOR PLILING DATE: 2003-02-20

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PRIOR FILING DATE: 2002-02-20

PRIOR FILING DATE: 2002-03-11
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Pred. No. 12;
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Best Local Similarity 89.5%;
Matches 17; Conservative (
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US-10-830-569-170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 1707, Application US/10830569
GENERAL INFORMATION:
APPLICANT: Sitra Therapeutics, Inc.
APPLICANT: Sitra Therapeutics, Inc.
APPLICANT: Sitra Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RAPERSHOW Using Short Interfering Nucleic Acid (sinA)
FILE REFERENCE: 400/153 (MBHB04-798-A)
CURRENT APPLICATION NUMBER: US/10/830,569
CURRENT FILING DATE: 2004-04-13
FRIOR APPLICATION NUMBER: US 10/825,485
FRIOR APPLICATION NUMBER: US 10/757,803
FRIOR APPLICATION NUMBER: US 10/757,803
FRIOR APPLICATION NUMBER: US 10/757,803
FRIOR PILING DATE: 2004-01-14
FRIOR APPLICATION NUMBER: US 10/757,803
FRIOR APPLICATION NUMBER: US 10/750,448
                                                                                                                    ; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: sinA antisense region
US-10-832-522-477
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89.5%; Pred. No. 12;
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Pred. No. 12;
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NUMBER OF SEQ ID NOS: 821
SOFTWARE: PatentIn version 3.3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRIOR FILING DATE: 2003-11-24
PRIOR APPLICATION NUMBER: US 10/693,059
PRIOR FILING DATE: 2003-10-23
PRIOR APPLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-05-23
PRIOR APPLICATION NUMBER: ES 2003-02-30
PRIOR FILING DATE: 2003-02-20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     PRIOR APPLICATION NUMBER: PCT/US03/05028
PRIOR FILING DATE: 2003-02-20
PRIOR APPLICATION NUMBER: US 60/358,580
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PRIOR APPLICATION NUMBER: US 60/363,124
PRIOR FILING DATE: 2002-03-11
PRIOR APPLICATION NUMBER: US 60/386,782
PRIOR FILING DATE: 2002-06-06
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; Sequence 477. Application US/10830569

; GENERAL INFORMATION:

; APPLICANT: Sirna Therapeutics, Inc.
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                                                          TYPE: RNA
ORGANISM: Artificial Sequence
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Best Local Similarity 84.2%;
Matches 16; Conservative
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ORGANISM: Artificial Sequence
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Matches 17; Conservative
SEQ ID NO 477
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Best Local Similarity 100. Matches 15; Conservative
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Best Local Similarity 94.1
Matches 16; Conservative
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; ORGANISM: Homo sapiens
US-10-951-303-1579
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ORGANISM: Human
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APPLICANT: Strna Therapeutics, Inc.
APPLICANT: McSwiggen, James
TITLE OF INVENTION: RNA Interference Mediated Inhibition of Hairless (HR) Gene
TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sinA)
TITLE OF INVENTION: Expression Using Short Interfering Nucleic Acid (sinA)
FILE REFERENCE: 400/150 (MBHB04-378)
CURRENT PAPLICATION NUMBER: US/10/825,485
CURRENT FILING DATE: 2004-04-15
PRIOR APPLICATION NUMBER: US 10/720,448
PRIOR APLICATION NUMBER: US 10/444,853
PRIOR FILING DATE: 2003-10-23
PRIOR FILING DATE: 2003-10-23
PRIOR FILING DATE: 2003-05-23
PRIOR PLILING DATE: 2003-05-23
PRIOR PLILING DATE: 2003-02-20
PRIOR PLILING DATE: 2002-02-0
PRIOR PLILING DATE: 2002-02-0
PRIOR PLILING DATE: 2002-03-11
PRIOR PLILOR DATE: 2002-03-11
PRIOR PLILING DATE: 2002-03-11
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PRIOR APPLICATION DATE: 2002-06-06; PRIOR APPLICATION NUMBER: US 60/406,784; PRIOR FILING DATE: 2002-08-09; PRIOR FILING DATE: 2002-08-29; Remaining Prior Application data removed - See File Wrapper or PALM. NUMBER OF SEQ ID NOS: 724
SOFTWARE: Patentin version 3.3
SEQ ID NO 170
LENGTH: 19
TYPE.
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Pred. No. 12;
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1.0%; Score 15.8; DB 1; Length 19;
Best Local Similarity 89.5%; Pred. No. 12;
Matches 17; Conservative 0; Mismatches 2; Indels
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Best Local Similarity 84.2%;
Matches 16; Conservative
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APPLICANT: Favor, ream
APPLICANT: Stinchcomb, Dan
APPLICANT: Bacobedo, Jaine
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPERENCE: MBH800-876-K (400/021)
CURRENT FILING DATE: 2004-09-27
FRIOR APPLICATION NUMBER: US/09/685,664
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1996-01-08
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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100.0%; Pred. No. 15;
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                                                                                 APPLICANT: Ribozyme Pharmaceuticals, Inc.
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; Sequence 3468, Application US/60522459
; GENERAL INFORMATION:
Sequence 1579, Application US/10951303 GENERAL INFORMATION:
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US-10-951-303-1578/c
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Sequence 11672, Application US/60522459

GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICE LTD
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: UNABER: US/60/522,459
CURRENT APPLICATION NUMBER: 2004-10-04
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 11672
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APPLICANT: SEQUENCY, INC.
APPLICANT: RENELAND, Rikard
APPLICANT: RENELAND, Rikard
APPLICANT: ROSETTE, Caridad
APPLICANT: ROSETTE, Caridad
APPLICANT: HOYAL-WRIGHTSON, Carolyn R.
TITLE OF INVENTION: METHODS FOR IDENTIFYING RISK OF BREAST
TITLE OF INVENTION: CANCER AND TREATMENTS THEREOF
FILE REFERENCE: 524592006641
CURRENT APPLICATION NUMBER: 2004-05-27
CURRENT PILING DATE: 2004-05-27
PRIOR APPLICATION NUMBER: US 10/722,832
PRIOR APPLICATION NUMBER: US 10/722,832
NUMBER OF SEQ ID NOS: 275
SEQ ID NO 225
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75.0%; Pred. No. 20;
tive 3; Mismatches
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0.9%; Score 14.4; I
Best Local Similarity 93.8%; Pred. No. 23;
Matches 15; Conservative 0; Mismatches
CURRENT APPLICATION NUMBER: US/10/951,303
CURRENT FILING DATE: 2004-09-27
PRIOR APPLICATION NUMBER: US/09/685,664
PRIOR FILING DATE: 2000-10-10
PRIOR FILING DATE: 1995-10-26
PRIOR PLICATION NUMBER: US 60/005,974
PRIOR PLICATION NUMBER: US 08/584,040
PRIOR PLILNG DATE: 1995-01-08
PRIOR PLILNG DATE: 1996-01-08
PRIOR PRICATION NUMBER: US 09/371,772
PRIOR PLILNG DATE: 1999-08-10
PRIOR PLILNG DATE: 1999-08-10
PRIOR PLILNG DATE: 1999-08-10
PRIOR PED NOS: 8231
SOFTWARE: PatentIn version 3.0
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ORGANISM: Human herpesvirus 1
US-60-522-459-11672
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17 gererecarecar 2
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Matches 12; Conservative
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CORGANISM: Homo sapiens
US-10-951-303-2168
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                                                                                                  TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPERENCE: MBHB00-876-K (400/021)
CURRENT FILING DATE: 2004-09-27
CURRENT FILING DATE: 2006-10-10
PRIOR PELING DATE: 2006-10-10
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-06
PRIOR FILING DATE: 1996-01-08
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Sequence 13860, Application US/60522459

GENERAL INFORMATION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE OF INVENTION:

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 13860
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-976-K (400/021)
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0.9%; Score 14.4; DB 1; Length 17;
Best Local Similarity 93.8%; Pred. No. 17;
Matches 15; Conservative 0; Mismatches 1; Indels
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US-60-522-459-13860
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Best Local Similarity 56.2%; Pred. No. 17;
Matches 9; Conservative 6; Mismatches
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GENERAL INFORMATION:
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                                             McSwiggen, Jim
Stinchcomb, Dan
Escobedo, Jaime
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; ORGANISM: Homo sapiens
US-10-951-303-1578
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Gaps

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Sequence 1110, Application US/60522459

GENERAL INFORMATION:
TITLE OF INVENTION: USED ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: 2004
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 11110
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TITLE OF INVENTION:
FILE REFERENCE: 52904
CURRENT APPLICATION VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
CURRENT APPLICATION WINBER: US/60/522,459
CURRENT APPLICATION WINBER: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE PATENTIN VERSION 3.2
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PRIOR APPLICATION NUMBER. ...
PRIOR FILING DATE: 1996-01-08
PRIOR APPLICATION NUMBER: US 09/371,772
PRIOR FILING DATE: 1999-08-10
NUMBER OF SEQ ID NOS: 8231
SOFTWARE: Patentin version 3.0
SEQ ID NO 3459
LENGTH: 17
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Best Local Similarity 70.6
Matches 12, Conservative
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; ORGANISM: Mus musculus
US-10-951-303-3459
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Best Local Similarity
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; ORGANISM: Human
US-60-522-459-11110
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APPLICANT: McSwiggen, Jim

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Stinchcomb, Dan

APPLICANT: Becobed, Jaimed and Reagent for Treatment of Diseases or Conditions Relate

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor

TITLE OF INVENTION NUMBER: US/10/951,303

CURRENT APPLICATION NUMBER: US/09/685,664

PRIOR APPLICATION NUMBER: US/09/685,664

PRIOR APPLICATION NUMBER: US 60/005,974

PRIOR FILING DATE: 1996-01-08

PRIOR PILING DATE: 1996-01-08

PRIOR FILING DATE: 1999-08-10

NUMBER OF SEQ ID NOS: 8231

SSOFTWARE: Patentin version 3.0

LENGTH: 17
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Stinchcomb, Dan
APPLICANT: Stochedo, Jame
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/10/951,303
CURRENT FILING DATE: 2004-09-27
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0.9%; Score 13.8; Di
Best Local Similarity 76.5%; Pred. No. 23;
Matches 13; Conservative 2; Mismatches
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0.9%; Score 13.8;
Best Local Similarity 88.2%; Pred. No. 23
Matches 15; Conservative 0; Mismatche
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GENERAL INFORMATION:
APPLICANT: Ribozyme Pharmaceuticals, Inc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               APPLICANT: Ribozyme Pharmaceuticals, Inc.
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PRIOR APPLICATION NUMBER: US/09/685,664
PRIOR FILING DATE: 2000-10-10
PRIOR APPLICATION NUMBER: US 60/005,974
PRIOR PILING DATE: 1995-10-26
                                                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1945, Application US/10951303 GENERAL INFORMATION:
                                                                                                                                                                                                                                                                                   111 CTTGGTACAATGGACCC 127
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                                      TYPE: DNA ORGANISM: Artificial Sequence
                                                                                                                                                                                                                                                                                                                              17 crrecracacracecc 1
                                                                                                   ; OTHER INFORMATION: Primer PCT-US04-16942-225
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ORGANISM: Homo sapiens
US-10-951-303-1945
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            LENGTH: 17
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                                                                                      FEATURE:
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Query Match 0.9%; Score 13.4; DB 1;
Best Local Similarity 93.3%; Pred. No. 27;
Matches 14; Conservative 0; Mismatches 1;
0.9%; Score 13.4; I 93.3%; Pred. No. 23; Live 0; Mismatches
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                                                                                                 770 CCAGACGAGGTGAGG 784
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Best Local Similarity 93.3
Matches 14; Conservative
                                                14; Conservative
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                  Best Local Similarity
Matches 14; Conserva
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Query Match
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                                                Sequence 9257, Application US/60522459
Sequence 9257, Application US/60522459
Sequence 9257, Application US/60522459
Sequence 9257, Application US/60522459
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 9257
LIENGTH: 15
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Sequence 1353. Application US/60522459

GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
TITLE OF INVENTION:
CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 13953
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Sequence 4865, Application US/60522459

GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
CURRENT APPLICATION UNDER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 4865

LENGTH: 16
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match 0.9%; Score 13.4; DE Best Local Similarity 73.3%; Pred. No. 19; Matches 11; Conservative 3; Mismatches
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US-60-522-459-4865/c
                                                                                                                                                                                                                                                                                                                                                                        ; TYPE: RNA
; ORGANISM: Human
US-60-522-459-9257
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ORGANISM: Human
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APPLICANT: McSwiggen, Jim
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Related
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPREBENCE: MBHB00-9676-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664
FRIOR PAPLICATION NUMBER: US/09/685,664
FRIOR PAPLICATION NUMBER: US 60/005,974
FRIOR APPLICATION NUMBER: US 60/005,974
FRIOR PAPLICATION NUMBER: US 08/584,040
FRIOR PAPLICATION NUMBER: US 08/584,040
FRIOR FILING DATE: 1996-01-08
FRIOR FILING DATE: 1996-01-08
FRIOR FILING DATE: 1999-08-10
FRIOR FILING DATE: 1999-08-10 RESULT 29
US-60-522-459-6393/c
US-60-522-459-6393/c
Sequence 6393, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
ITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
ITLE OF INVENTION: URAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERRNCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 6393 ô ö ö Gaps Gaps Gaps ö DB 1; Length 16; 0.9%; Score 13.4; DB 1; Length 16; 93.3%; Pred. No. 23; 1; Indels tive 0; Mismatches 1; Indels Length 17;

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Sequence 1508, Application US/10951303
GENERAL INFORMATION:
APPLICANT: Riocyme Pharmaceuticals, Inc.
APPLICANT: Davco, Pam
APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
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US-60-522-459-2715/c

Sequence 2715, Application US/60522459

Sequence 2715, Application US/60522459

GENERAL INFORMATION:

APPLICANT: ROSETTA GENOMICS LTD

TITLE OF INVENTION: UTRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE REPERENCE: 52904

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 200410-04

NUMBER OF SEQ ID NOS: 15575

SOFURMARE: Patentin version 3.2

SEQ ID NO 2715
                                                                                                                                                                                                                                                                                                                                                                                                            APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 14042
LENGTH: 13
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                                           Indels
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ORGANISM: Human herpesvirus 4 (Epstein-Barr virus)
                                           ;
   73.3%; Pred. No. 27; ive 3; Mismatches
                                                                                                                                                                                                                                                                                                                                               Sequence 14042, Application US/60522459 GENERAL INFORMATION:
                                                                                                            796 CCCAGITICICCAGC 810
                                                                                                                                                   241 CCTCTGCCCCCAC 253
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Best Local Similarity 73.3
Matches 11, Conservative
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Best Local Similarity 100.
Matches 13; Conservative
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Best Local Similarity
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; ORGANISM: Human
US-60-522-459-2715
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                                                                                                                                                                                                                                                                                                                                    APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Dan
APPLICANT: StinchComb, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relate
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REFERENCE: MBHB00-876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664
PRIOR FILING DATE: 2000-10-10
PRIOR PLING DATE: 1090-10-10
PRIOR FILING DATE: 1090-10-10
PRIOR FILING DATE: 1096-01-08
PRIOR FILING DATE: 1096-01-08
PRIOR PILING DATE: 1099-08-10
PRIOR FILING DATE: 1099-08-10
PRIOR PILING DATE: 1000-10-08
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APPLICANT: McSwiggen, Jim

APPLICANT: Bavco, Pam

APPLICANT: Stinchcmb, Jan

APPLICANT: Stinchcmb, Dan

APPLICANT: Stinchcmb, Dan

APPLICANT: Stinchcmb, Jane

APPLICANT: Stinchcmb, Dan

APPLICANT: Stinchcmb, Dan

APPLICANT: Stinchcmb, Dan

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor

TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor

FILE REFERENCE: MBHB00-876-K (400/021)

CURRENT APPLICATION NUMBER: US/10/951,303

CURRENT APPLICATION NUMBER: US 60/005,974

PRIOR APPLICATION NUMBER: US 60/005,974

PRIOR FILING DATE: 1995-01-08

PRIOR PLING DATE: 1995-01-08

PRIOR PLING DATE: 1995-01-08

PRIOR FILING DATE: 1995-01-08

NUMBER OF SEQ ID NOS: 8231

SOOFWARE: Patentin version 3.0

LENGTH NO 2129
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73.3%; Pred. No. 27;
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                                                                                                                                        S-10-951-303-2128
Sequence 2128, Application US/10951303
GENERAL INFORMATION:
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Matches 11; Conservative
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| CCCAGAUUCUCCAGC 16
   17 CCCCAGGCAAGTTTC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ; ORGANISM: Homo sapiens
US-10-951-303-2128
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US-10-951-303-2129
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APPLICANT: Stinchcomb, Dan
APPLICANT: Escobedo, Jaime
APPLICANT: Escobedo, Jaime
TITLE OF INVENTION: Method and Reagent for Treatment of Diseases or Conditions Relater
TITLE OF INVENTION: Levels of Vascular Endothelial Growth Factor Recptor
FILE REPERBENCE: MBHB00-9876-K (400/021)
CURRENT APPLICATION NUMBER: US/09/685,664
FRIOR FILING DATE: 2000-10-10
FRIOR FILING DATE: 1995-10-26
FRIOR APPLICATION NUMBER: US 60/005,974
FRIOR APPLICATION NUMBER: US 68/84,040
FRIOR FILING DATE: 1996-01-08
FRIOR FILING DATE: 1996-01-08
FRIOR FILING DATE: 1996-01-08
FRIOR FILING DATE: 1999-08-10
FRIOR FILING DATE: 1999-08-10
FRIOR FILING DATE: 1999-08-10
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION:
FILE REPERENCE: 52904
CURRENT APPLICATION UNABER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SEQ ID NO 2801
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0.8%; Score 12.8; DB 1; Length 16;
56.2%; Pred. No. 30;
Ive 5; Mismatches 2; Indels
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13.8%; Pred. No. 36;
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0.8%; Score 12.8; DB 1;
Best Local Similarity 87.5%; Pred. No. 36;
Matches 14; Conservative 0; Mismatches 2;
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Best Local Similarity 43.8%; Pred. No. ...
Marches 7; Conservative 7; Mismatches
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                                                                                                                                                                                                                                                                                     Sequence 2567, Application US/10951303 GENERAL INFORMATION:
                                                                                                          1361 TTGTCATTGGAGGAAT 1376
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1 cuccuucuugucAuug 16
                        Similarity 56.2%;
9; Conservative
                                                                                                                                        1 UGGUCAUUGCAGGAAU 16
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                           Best Local Similarity
Matches 9; Conserva
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US-60-522-459-2801/c
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ORGANISM: Human
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENONICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT PILLING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 4058
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Sequence 6025, Application US/60522459

SEGUENCE 6025, Application US/60522459

SEQUENCE 6025, Application US/60522459

SEQUENCE 6025, Application US/60522459

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

CURRENT APPLICATION WHORE: US/60/522,459

CURRENT PILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SEQ ID NO 6025

LENGTH: 16
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Pred. No. 33;
3; Mismatches 0; Indels
                     CURRENT APPLICATION NUMBER: US/10/951,303
CURRENT FILING DATE: 2004-09-27
PRIOR APPLICATION NUMBER: US/09/685,664
PRIOR FILING DATE: 2000-10-10
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-26
PRIOR FILING DATE: 1995-10-8
PRIOR FILING DATE: 1996-01-08
PRIOR PILING DATE: 1996-01-08
PRIOR PLING DATE: 1996-01-08
PRIOR PLING DATE: 1996-01-08
PRIOR PLING DATE: 1996-01-08
SEQ ID NOS: 8231
SEC ID NO 1508
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Best Local Similarity 76.9%;
Matches 10; Conservative
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US-10-951-303-1508
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ; ORGANISM: Human
US-60-522-459-4058
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US-60-522-459-6025
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US-60-522-459-4058
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16 TGAGCTGAGAGCCCCT 1

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RESULT 43

US-60-522-459-1665

US-60-522-459-1665

GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: WINBER: US/60/522,459
CURRENT APPLICATION UNMBER: US/60/522,459
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52004
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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GENERAL INFOSMATION:
APPLICANT: ROSETTA GENOMICS LID
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
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                                                   2; Indels
Query Match

0.8%; Score 12.8; DB 1;
Best Local Similarity 81.2%; Pred. No. 36;
Matches 13; Conservative 1; Mismatches 2;
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; Sequence 4478, Application US/60522459
; GENERAL INFORMATION:
                                                                                                     566 CCAGGGGCACCTGGAC 581
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ORGANISM: Human
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ; TYPE: RNA
; ORGANISM: Human
US-60-522-459-4478
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: USAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 5294
CURRENT PAPLICATION UNMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SEQ ID NO 6518
LENGTH: 17
                                                                                                                       APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VETSION 3.2
SOFTWARE: PATENTIN VETSION 3.2
LENGTH: 17
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: URAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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Best Local Similarity 75.0%; Pred. No. 36;
Matches 12; Conservative 2; Mismatches
                                                                             Sequence 4873, Application US/60522459 GENERAL INFORMATION:
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Best Local Similarity 81.24
Matches 13, Conservative
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US-60-522-459-4873
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; ORGANISM: Human
US-60-522-459-10001
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US-60-522-459-6518
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LENGTH: 17
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DB 1;
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Best Local Similarity 92.9%; Pred. No. 26;
Matches 13; Conservative 0; Mismatches
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                                                                                                                                                                                                                                                         TYPE: RNA
CRGANISM: Human herpesvirus
US-60-522-459-12398
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; ORGANISM: Human
US-60-522-459-6913
  US-60-522-459-12398
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US-60-522-459-6913
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER: OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 6702
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GENERAL INFORMATION:
APPLICANT: ROSETA GENOMICS LTD
TITLE OF INVENTION:
TITLE OF INVENTION: UIRL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 15974-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PALENTIN VERSION 3.2
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                                                                                                                                                                               0.8%; Score 12.4; I 92.9%; Pred. No. 26; ative 0; Mismatches
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; Sequence 6702, Application US/60522459
; GENERAL INFORMATION:
CURRENT FILING DATE: 2004-10-04
                  NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PatentIn version 3.2
SEQ ID NO 5756
LENGTH: 14
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Matches 13; Conservative
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Best Local Similarity 92.9°
Matches 13; Conservative
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                                                                                                                                                                               Query Match
Best Local Similarity
Matches 13; Conserv
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US-60-522-459-10772/c
                                                                                                ; TYPE: RNA
; ORGANISM: Human
US-60-522-459-5756
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; ORGANISM: Human
US-60-522-459-6702
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US-60-522-459-10772
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Sequence 12399, Application US/60522459

Sequence 12399, Application US/60522459

GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT APPLICATION NUMBER: US/60/522,459
SOFTWARE: Patentin version 3.2
SOFTWARE: Patentin version 3.2
SEQ ID NOS: 15575
SEQ ID NOS: 15575
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Sequence 12857, Application US/60522459

Sequence 12857, Application US/60522459

GENERAL INFORMATION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

TITLE OF INVENTION:

VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SEQ ID NO 12857

LENGTH: 14
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Sequence 6913, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: UNRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
SOFTWARE: PATENTING DATE: 2004-10-04
SOFTWARE: PATENTING DATE: 3204
SEQ ID NO 6913
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Best Local Similarity
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Sequence 1388 Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LID
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: URAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: UNABER: US/60/522,459
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PALENTIN Version 3.2
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Sequence 2625, Application US/60522459

GENERAL INFORMATION:

A SEQUENCE 2625, APPLICATION US/60522459

GENERAL INFORMATION:

TITLE OF INVENTION:

TOTREET 2004

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-110-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: PATENTIN Version 3.2
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                                                                ; ORGANISM: Human herpesvirus 4 [Epstein-Barr virus] US-60-522-459-14457
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                                                                                                                       0.8%; Scc. 92.3%; Pred. No. 31,
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Fred. No. 36;
0; Mismatches
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92.9%; Pred. No. 36;
ive 0; Mismatches
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Best Local Similarity 92.9%;
Matches 13; Conservative
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Best Local Similarity 92.9
Matches 13; Conservative
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Matches 13; Conservative
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US-60-522-459-1388/c
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US-60-522-459-5665/c
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ORGANISM: Human
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SEQ ID NO 14457
LENGTH: 15
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                                             TYPE: RNA
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GENURAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: UNAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT FAPLICATION UNDER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PALENTIN VERSION 3.2
SEQ ID NO 14055
LENGTH: 15
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Sequence 13510, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 13510
LENGTH: 15
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US-60-52-459-14457/c
US-60-52-459-14457/c
Sequence 14457, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
FILE REFERENCE: 52904
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
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64.3%; Pred. No. 31;
tive 4; Mismatches 1; Indels
    1; Indels
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; ORGANISM: Human herpesvirus 4 [Epstein-Barr virus]
US-60-522-459-13510
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US-60-522-459-14055
  Mismatches
  1;
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Best Local Similarity 64.3%
Matches 9; Conservative
  12; Conservative
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US-60-522-459-8382/c
US-60-522-459-8382/c
Sequence 8382, Application US/60522459
Sequence 8382, Application US/60522459
GENERAL INFORMATION:
TOTALE OF INVENTION: USE BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: USE SOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52004
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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Sequence 14443, Application US/60522459

Sequence 14445, Application US/60522459

Sequence 14445, Application US/60522459

Sequence 14445, Application US/60522459

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 14443
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GENERAL INFORMATION:
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REPERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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0.8%; Score 12; DB 1; Length 14;
Best Local Similarity 100.0%; Pred. No. 31;
Matches 12; Conservative 0; Mismatches 0; Indels
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100.0%; Pred. No. 31;
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Best Local Similarity
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US-60-522-459-12990/c
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LENGTH: 14
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APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: UNDER: US/60/522,459
TITLE OF INVENTION: UNDER: US/60/522,459
CURRENT APPLICATION UNDER: US/60/522,459
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SEQ ID NO 6785
LENGTH: 12
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 5565
LENGTH: 16
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CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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US-60-522-459-12854
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Pred. No. 36;
0; Mismatches
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
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Best Local Similarity 92.9#
Matches 13; Conservative
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                                                                                                                                                                                                                                                                      ; TYPE: RNA
; ORGANISM: Human
US-60-522-459-5665
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; ORGANISM: Human
US-60-522-459-6785
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LENGTH: 16
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Sequence 6700, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOWICS LTD
APPLICANT: ROSETTA GENOWICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION UNMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: ParentIn version 3.2
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US-60-522-459-3450
GENERAL INFORMATION:
GENERAL INFORMATION:
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SEQ ID NO 3450
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
SEQ ID NO 2579
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100.0%; Pred. No. 43;
iive 0; Mismatches (
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73.3%; Pred. No. 40
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Best Local Similarity 73.33
Matches 11; Conservative
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Best Local Similarity 100.
Matches 12; Conservative
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ORGANISM: Human "
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US-60-522-459-2579
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Sequence 17. Application US/10852943

GENERAL INFORMATION:

APPLICANT: University of Geneva

APPLICANT: Bettsch, Samuel

TILLE OF INVENTION: METHOD FOR DETECTING DISEASES CAUSED BY CHROMOSOMAL IMBALANCES

FILE REPERENCE: 27067/2005

CURRENT APPLICANTION NUMBER: US/10/852,943

CURRENT PILING DATE: 2004-05-25

PRIOR APPLICATION NUMBER: US 60/300,266

PRIOR APPLICATION NUMBER: US 10/177,063

PRIOR APPLICATION NUMBER: US 10/177,063

PRIOR FILING DATE: 2002-06-21

NUMBER OF SEQ ID NOS: 98

SEQ ID NO 17

LENGTH: 16
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TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE SEPERBLY. SEPERATE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SEQ ID NO 11017
LENGTH: 15
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                                                                         Query Match

0.8%; Score 12; DB 1; Length 14;
Best Local Similarity 75.0%; Pred. No. 31;
Matches 9; Conservative 3; Mismatches 0; Indels
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; ORGANISM: Human herpesvirus 4 [Epstein-Barr virus]
US-60-522-459-14443
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; Sequence 11017, Application US/60522459
; GENERAL INFORMATION:
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Best Local Similarity 100.
Matches 12; Conservative
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ORGANISM: Artificial
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ORGANISM: Human
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RESULT 70

US-60-522-459-6091

US-60-522-459-6091

S ESQUENCE 6091, Application US/60522459

S GENERAL INFORMATION:

APPLICANT: ROSETTA GENOMICS LTD

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

FILE REFERENCE: 52904

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 6091
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CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT PILING DATE: 2.004-110-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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86.7%; Pred. No. 40;
tive 0; Mismatches 2; Indels
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86.7%; Pred. No. 40;
tive 0; Mismatches
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  SOFTWARE: PatentIn version 3.2
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Best Local Similarity فالمرابع
                                                                                                                                                     Query Match
Best Local Similarity 86.7<sup>3</sup>
Matches 13; Conservative
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Best Local Similarity 86.7
Matches 13; Conservative
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US-60-522-459-6725/c
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US-60-522-459-6764/c
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US-60-522-459-6091
                                                                                  , ORGANISM: Human
US-60-522-459-5213
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                    SEQ ID NO 5213
LENGTH: 15
                                                                  TYPE: RNA
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                                                                                                                                                                                                            Sequence 3670, Application US/60522459
GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
CURRENT APPLICATION UNDER: US/60/522,459
CURRENT PILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 3670
LENGTH: 15
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: USASOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFRENCE: 52904
CURRENT APPLICATION NUMBER: 2064-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 4538
LENGTH: 15
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GENERAL INFORMATION:
GENERAL INFORMATION:
APPLICANT: ROSETA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION UNDER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
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                         Indels
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    ed. No. 40;
Mismatches
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  60.0%; Pred. No.
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                                                                  494 TGGCGCTGGTGACCT 508
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1 UAGCUCUGGUGACCU 15
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Best Local Similarity 60.0%
Matches 9; Conservative
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Best Local Similarity 66.73
Matches 10; Conservative
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Best Local Similarity 66.77
Matches 10; Conservative
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US-60-522-459-3670
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ORGANISM: Human
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US-60-522-459-4538
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Pred. No. 40;
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Best Local Similarity
Matches 11; Consery
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US-60-522-459-9349/c
                                                                                                                                                                                                         US-60-522-459-8798/c
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           TYPE: RNA
ORGANISM: Human
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US-60-522-459-9304
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** TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF; CURRENT APPLICATION NUMBER: US/60/522,459; CURRENT FILING DATE: 2004-10-04; NUMBER OF SEQ ID NOS: 15575 SOFTWARE: Patentin version 3.2 SEQ ID NO 6764
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Sequence 7375, Application US/6052459

Sequence 7375, Application US/6052459

GENERAL INFORMATION:

APPLICANT: ROSETA GENOMICS LTD

TITLE OF INVENTION: UNDA ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLECTIDES AND USES THEREOF

CURRENT APPLICATION WHERE: US/60/522,459

CURRENT APPLICATION WHERE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: PATENTING DATE: 2004-10-04

SOFTWARE: PATENTING DATE: 2004-10-04

SOFTWARE: PATENTING DATE: 2004-10-04

SOFTWARE: PATENTING DATE: 2003-10-04

SOFTWARE: PATENTING DATE: 2003-10-04
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US-60.522-459-7664/c

GENERAL INFORMATION:

APPLICANT: ROSETTA GENOMICS LTD

TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND

TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF

FILE REFERENCE: 52904

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2
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Pred. No. 40;
0; Mismatches
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60.0%; Pred. No. 40
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86.7%; Pred. No. 4
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Best Local Similarity 60.03
Matches 9; Conservative
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Best Local Similarity 86.7
Matches 13; Conservative
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Best Local Similarity 86.7
Matches 13; Conservative
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US-60-522-459-6764
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US-60-522-459-7664
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US-60-522-459-7375
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US-60-522-459-9104

| Gequence 9304, Application US/60522459
| Sequence 9304, Application US/60522459
| GENERAL INFORMATION:
| APPLICANT: ROSETTA GENOMICS LTD
| TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
| TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
| TITLE REFERENCE: 52904
| CURRENT APPLICATION NUMBER: US/60/522,459
| CURRENT FILING DATE: 2004-10-04
| NUMBER OF SEQ ID NOS: 15575
| SOFTWARE: Patentin version 3.2
| SEQ ID NO 9304
                                                                                                                                                                       Sequence 8798, Application US/60522459
GENERAL INFORMATION:
GENERAL INFORMATION:
THEOSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
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GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LID
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID, NOS: 15575
SOFTWARE: PATENTI VETSION 3.2
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APPLICANT: ROSETTA GENOMICS LTD
TAPLICANT: ROSETTA GENOMICS LTD
TAPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION UNDER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
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Sequence 13126, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: PATENTIN VERSION 3.2
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TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ 113 NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 10983
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; ORGANISM: Human herpesvirus 4 [Epstein-Barr virus]
US-60-522-459-13126
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US-60-522-459-13406
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Pred. No. 40;
0; Mismatches
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86.7%; Pred. No. 40;
tive 0; Mismatches
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; Sequence 13406, Application US/60522459
; GENERAL INFORMATION:
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Best Local Similarity 86.79
Matches 13, Conservative
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Best Local Similarity 86.7
Matches 13; Conservative
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US-60-522-459-10983
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LENGTH: 15
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Sequence 10676, Application US/60522459

SEQUENCE INFORMATION:

TITLE OF INVENTION:

BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION:

TITLE OF INVENTION:

VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF FILE REFERENCE: 52904

CURRENT APPLICATION NUMBER: US/60/522,459

CURRENT FILING DATE: 2004-10-04

NUMBER OF SEQ ID NOS: 15575

SOFTWARE: Patentin version 3.2

SEQ ID NO 10676
                                                                                                                                                                                                                                                                                                                                             Sequence 9996, Application US/60522459

GENERAL INFORMATION:
ROSETA GENOMICS LTD
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 9996
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US-60-522-459-10983/c
; Sequence 10983, Application US/60522459
; GENEAL INFORMATION:
; APPLICANT: ROSETTA GENOMICS LTD
; TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
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                                                                                                              DB 1; Length 15;
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73.3%; Pred. No. 40;
ive 2; Mismatches
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                                                                                                              Query Match
0.8%; Score 11.8;
Best Local Similarity 86.7%; Pred. No. 40
Matches 13; Conservative 0; Mismatche
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; ORGANISM: Human
US-60-522-459-9996
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                                                    ORGANISM: Human
                                                                        US-60-522-459-9349
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                          TYPE: RNA
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Search completed: November 8, 2004, 13:00:00 Job time : 1 secs
US-60-522-459-8382
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TITLE OF INVENTION: NUCLBIC ACID ARRAYS FOR DETECTING GENE EXPRESSION ASSOCIATED WITH
TITLE OF INVENTION: HUMAN OSTEOARTHRITIS AND HUMAN PROTEASES
FILE REFERENCE: 031896-043000 (AM 101081)
CURRENT APPLICATION NUMBER: US/10/956,157
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 319805
SOFTWARE: Patentin version 3.2
SEQ ID NO 193674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Wild-60-522-459-8382
Sequence 8382, Application US/60522459
Sequence 8382, Application US/60522459
GENERAL INPORMATION:
TOTALE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
CURRENT PELLOATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SOFTWARE: Patentin version 3.2
SEQ ID NO 8382
LENGTH: 14
                                                                             Sequence 14041, Application US/60522459
GENERAL INFORMATION:
APPLICANT: ROSETTA GENOMICS LTD
TITLE OF INVENTION: BIOINFORMATICALLY DETECTABLE GROUP OF NOVEL REGULATORY VIRAL AND
TITLE OF INVENTION: VIRAL ASSOCIATED OLIGONUCLEOTIDES AND USES THEREOF
FILE REFERENCE: 52904
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86.7%; Pred. No. 94;
tive 0; Mismatches 2; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     IndelB
                                                                                                                                                                                                                                                                                                                                                                                                 ; TYPE: RNA
; ORGANISM: Human herpesvirus 4 [Epstein-Barr virus]
US-60-522-459-14041
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 0.8%; Score 11.8; C
73.3%; Pred. No. 40;
Live 2; Mismatches
                                                                                                                                                                                                                                      CURRENT APPLICATION NUMBER: US/60/522,459
CURRENT FILING DATE: 2004-10-04
NUMBER OF SEQ ID NOS: 15575
SSOFTWARE: PatentIn version 3.2
LENGTH: 15
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 193674, Application US/10956157
GENERAL INFORMATION:
APPLICANT: Wyeth
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Best Local Similarity 86.74
Matches 13; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Query Match
Best Local Similarity 73.33
Matches 11, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ; TYPE: DNA
; ORGANISM: Probe Sequence
US-10-956-157-193674
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    US-10-956-157-193674/c
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ORGANISM: Human
                                                                        US-60-522-459-14041
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DB 1; Length 14;
                                 1; Indels
 Score 11.4; D
Pred. No. 40;
0; Mismatches
Query Match
Best Local Similarity 92.3%;
Matches 12; Conservative
                                                                   857 ACCCTAGGACGCC 869
                                                                                                 2 Accccaddacecc 14
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Gapa

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gibbs026-3.rst

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/mol type="max" outlines
/db_xref="taxon:9606"
/dclone="lMAGE:1431110"
/tissue_type="hepatic adenoma"
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/clone lib="NCI CAAP_Lis"
/note="Organ: Ilver; Vector: pCMV-SPORT4; Site_1: Sall;
Site_2: Not!; Cloned unidirectionally. Primer: Oligo dT.
Average insert size 0.8 kb."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
1 (bases 1 to 19)
Dunn,D., Aoyagi,A., Barber,M., Beacorn,T., Duval,B., Hamil,C.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           AZ490174 1055 05-OCT-200 NA linear GSS 05-OCT-200 NA323BOSF Mouse 10kb plasmid UUGCIM library Mus musculus genomic clone UUGCIM0323BOS F, genomic survey sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   /lab_host="E. Coli strain XLIO-Gold, Tl-resistant, F-"
/clone lib="Mouse 10kb plasmid UTGCIM library"
/note="Vector: PWD42nv; Purified genomic DNA from M.
musculus G778L/60 (male) was obtained from the Jackson
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Dunn, D., Aoyagi, A., Barber, M., Beacorn, T., Duval, B., Hamil, C., Islam, H., Longacre, S., Mahmoud, M., Meenen, E., Pedersen, T., Roilly, M., Rose, M., Rose, R., Stokes, R., Tingey, A., von Niederhausern, A. and Wright, D. Weiss, R. Mouse whole genome scaffolding with paired end reads from 10kb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              plasmid inserts
Unpublished (2006)
Contact: Robert B. Weiss
University of Utah Genome Center
University of Utah
Rm. 300, Biomedical Polymers Research Bldg., 20 S. 2030 184112, USA
               unknown library type
Trace considered overall poor quality
Seq primer: -40ml3 fwd. ET from Amersham
High quality sequence stop: 1.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tel: 801 585 5606
Fax: 801 585 7177
Email: ddunn@genetics.utah.edu
Insert Length: 10000 Std Error: 0.00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Laboratory Mouse DNA Resource
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Seq primer: CGTTGTAAAACGACGGCCAGTClass: plasmid ends
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1. .19
/organism="Mums musculus"
/mol_type="genomic DNA"
/strain="C57B1,/6J"
                                                                                                                                               /organism="Homo sapiens"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /db_xref="taxon:10090"
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       High quality sequence stop: 19.
Location/Qualifiers
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Email: cgapbs-r@mail.nih.gov
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Mus musculus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            242 CTCTGCCCCCACCTCCCC 260
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AZ490174.1 GI:10660642
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Best Local Similarity 89.5
Matches 17; Conservative
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AZ490174/C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    DEFINITION
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ACCESSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       KEYWORDS
SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AUTHORS
                                                                                                         FEATURES
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        VERSION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TITLE
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ACCESSION: AA968729
ACCESSION: AA1595030
ACCESSION: CF340244
ACCESSION: BM400830
ACCESSION: BM5083114
ACCESSION: AA588060
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.
1 (bases 1 to 19)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ACCESSION: AA878744
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ACCESSION: AZ490174
                                                                                                                                             8, 2004, 13:01:15; Search time 0.001 Seconds (without alignments) 448.734 Million cell updates/sec
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National Cancer Institute, Cancer Genome Anatomy Project (CGAP)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.
                                                                                                                                                                                                                                                                                 Description
                                                                                                                                                                                                                                                                                                                                                                                                                                   18
                    GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.
                                                                                                                                                                                                                                                                                                                                                                                                                                 Total number of hits satisfying chosen parameters:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ALIGNMENTS
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                                                                                                         OM nucleic - nucleic search, using sw model
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 9 summaries
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AJ598266
BM400830
BQ593114
AJ588060
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AA968729
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CF340244
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                                                                                                                                                                                                                                     US-09-918-026A-3
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Match Length DB
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Tumor Gene Index
Unpublished (1997)
                                                                                                                                                                                                                                                                                                                          IDENTITY NUC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                              length: 8
length: 50
                                                                                                                                                    November
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Maximum DB seq
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                                                                                                                                                                                                                                                                                                                          Scoring table:
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12.4
10.1
10.8
10.8
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KEYWORDS
SOURCE
ORGANISM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RESULT 1
AA878744
LOCUS
DEFINITION
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Database :
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AUTHORS
TITLE
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Result

GSS 05-OCT-2000

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Gapa

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Length 19; 2; Indels

DB 1;

0.46:

Score 15.8; DE Pred. No. 0.46; 0; Mismatches

1.0%; 89.5%;

Seguence:

Run on:

Searched:

5

E., SLC,

ACCESSION

JOURNAL

COMMENT

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was hydrodynamically sheared by repeated passage through was hydrodynamically sheared by repeated passage through was blunt end-repaired with T4 DNA polymerase and T4 polymucleotide kinase. Adaptor oligonucleotides were ligated to the blunt ends in high molar excess. The adaptored DNA was purified and size-selected for a 9.5 to 10.5 kb range using preparative agarose gelectrophoresis. Vector DNA was prepared from a derivative of pWD42 (gil4732114 gb|AR129072.1), a copy-number inducible derivative of plasmid R1. The vector was ligated with adaptors complementary to the insert adaptors and purified. The sheared, adaptored mouse DNA was annealed to adaptored vector DNA, and transformed into chemically-competent B. coli XI10-GGold (Stratagene) cells and selected for ampicillin resistance."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Christopher A. Moskaluk, M.D., Ph.D., Michael
Emmert-Buck, M.D., Ph.D.

CDNA Library Preparation: M. Bento Soares, Ph.D.

CDNA Library Arrayed by: Greg Lennon, Ph.D.

DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be
found through the I.M.A.G.E. Consortium/LLNL at:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EST 27-AUG-1998
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/note="Vector: pT7T3D-Pac (Pharmacia) with a modified
/note="Vector: pT7T3D-Pac (Pharmacia) with a modified
polylinker; lst strand cDNA was prepared from 3 pooled
germ cell tumors, and was then primed with a Not I oligo(dT) primer. Double-stranded cDNA was ligated to Eco
RI adaptors (Pharmacia), digested with Not I and cloned
(http://www.jax.org/resources/documents/dnares/). The DNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Eukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi, Mammalia, Eutheria, Primates, Catarrhini, Hominidae, Homo.

1 (bases 1 to 16)

Not.-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.

National Cancer Institute, Cancer Genome Anatomy Project (CGAP), Tumor Gene Index
Unpublished (1997)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Gaps
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Score 15.4; DB 1; Length 19;
Pred. No. 0.57;
0; Mismatches 1; Indels
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/tissue type="pooled germ cell tumors"
/lab host="DH108"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Trace considered overall poor quality
Insert Length: 514 Std Error: 0.00
Seg primer: -40ml3 fwd. ET from Amersham
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/db_xref="taxon:9606"
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|| Similarity 94.1%;
| 16; Conservative
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Best Local Similarity
Matches 16; Conserv
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AA968729/c
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AUTHORS JOURNAL

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TITLE

COMMENT

FEATURES

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Direct Submission

Submitted (23-OCT-2003) Balzergue S., UMRGV, INRA/CNRS, 2 rue gaston Cremieux, 91057 Evy cedex, FRANCE
Gaston Cremieux, 91057 Evy cedex, FRANCE
PCR was performed on DNA from transformants of Arabidopsis thaliana plants from INRA (Versailles). The DNA fragment(s) resulting from the PCR were directly sequence from the left or the right border to determine the genomic sequence flanking the insertion. T-DNA derived sequences were removed. Information to order the corresponding mutant line and a link to a database providing a graphical display of the insertion site are available at http://dbsgap.versailles.inra.fr/publiclines/. This sequence has been generated in the framework of the French plant genomics program 'Genoplante' (http://www.genoplante.com and http://genoplante-info.infologen.fr).

Location/Qualifiers
                                                                                                                                                                                                                                                                                                       Arabidopsis thaliana T-DNA flanking sequence, left border, clone A10A08, genomic survey sequence.
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GSS; left border; T-DNA flanking sequence.
Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
Sosida; eurosida II; Brassicales; Brassicaceae; Arabidopsis.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Brunaud,V., Balzergue,S., Dubreucq,B., Aubourg,S., Samson,F.,
Chauvin,S., Bechloid,N., Cruaud,C., DeRose,R., Pelletier,G.,
Lepiniec,L., Caboche,M. and Lecharny,A.
T-DNA integration into the Arabidopsis genome depends on sequences
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                into the Not I and Eco RI sites of the modified pT7T3 vector. Library is not normalized. Library was constructed by Bento Soares and M. Fatima Bonaldo. "
                                                                                                                                     Gaps
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87.5%; Pred. No. 2.6;
cive 0; Mismatches 2;
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'note="T-DNA flanking sequence
                                                                         0.8%; Scor.
87.5%; Pred. No. gov.
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EMBO Rep. 3 (12), 1152-1157 (2002)
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Matches 14; Conservative
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Best Local Similarity
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RESULT

CF340244/c LOCUS ACCESSION VERSION KEYWORDS SOURCE ORGANISM

TITLE JOURNAL COMMENT

FEATURES

REFERENCE AUTHORS

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Lect Submission

AL Submitted (13-007-2003) Balzergue S., UWRCV, INRA/CNRS, 2 rue

Burnetted (13-007-2003) Balzergue S., UWRCV, INRA/CNRS, 2 rue

Caston Cremieux. 91057 Evry cedex, FRANCE

Brown RAM (Versailles). The DNA fragment (8) resulting from

the plants from INRA (Versailles). The DNA fragment (8) resulting from

the PCR were directly sequenced from the left or the right border

to determine the genomic sequence flanking the insertion. T-DNA

derived sequences were removed. Information to order the

corresponding mutant line and a link on a database providing a

graphical display of the insertion aite are available at

http://dbsgap.versailles.inra.fr/publiclines/. This sequence has

been generated in the framework of the French plant genomics

program 'Genoplante' (http://www.genoplante.com and

http://genoplante-info.infobiogen.fr).

Location/Qualifiers
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/clone lib="Chilcoat/Turkewitz cDNA (large fraction)"
/clone libe-chilcoat/Turkewitz SK+; Details on library
/proparation can be found in Chilcoat and Turkewitz (2001)
Proc. Natl. Acad. Sci USA, 98: 8709-8713."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /clone_lib="Arabidopsis thaliana T-DNA insertion lines"
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Turkewitz,A.P., Karrer,K.M., Jahn,C., Orias,E., Kirk,K.E.,
Frankel,J. and Klobutcher,L.
EST from Tetrahymena thermophila, strain CU428.1, growing cells
Unpublished (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               BM400830 1.2 Chilcoat/Turkewitz cDNA (large fraction) Tetrahymena thermophila cDNA, mRNA sequence.
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Hymenostomatida, Tetrahymenina, Tetrahymena.
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/mol_type="mRNA"
/strain="CU428.1"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Contact: Turkewitz AP
Molecular Genetics and Cell Biology
University of Chicago
920 E. 58th Street, Chicago, IL 60637, USA
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    .15 //
/note="T-DNA flanking sequence

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /moi type="genomic DNA"
/cultivar="Wassillewskija"
/db_xref="taxon:3702"
/clone="465A02"
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Seq primer: T3.
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Tetrahymena thermophila
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Best Local Similarity 86.7%;
Matches 13; Conservative
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Fax: 773 702 3172
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BM400830
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                       CF340244 118-AUG-2003 RCL1--07-G18.gl Regenerated callus lambda phage cDNA library (RCL1) Oryza sativa (japonica cultivar-group) cDNA clone RCL1--07-G18,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /note="Vector: pBluescript SK(+); Site_1: SstI; Site_2: XhoI; cDNA was inserted into landa Uni-ZAP XR vector at S' And with SstI and 3' end with XhoI site. Callus was induced on 2Ne media for 30 days and cultured for 36hrs on
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AJ598266 15-JAN-2004
Arabidopsis thaliana T-DNA flanking sequence, left border, clone
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                                                                                                                                                                                                               Oryza sativa (japonica cultivar-group)
Oryza sativa (japonica cultivar-group)
Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Byermatophyta; Magnoliophyta; Liliopsida; Poales; Poaceae;
Ehrhartoideae; Oryzae; Oryza.

1. (bases 1 to 15)
Kim,J.S., Jun,K.M., Cheong,P.J., Kim,M.J., Lee,T.H., Shin,Y.C.,
Kang,S.I., Xim,J.K., Xim,Y.-K. and Nahm,B.H.
Large-scale Sequencing Analysis of Rice ESTs
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GSS; left border; T-DNA flanking sequence.
Arabidopsis thaliana
Arabidopsis thaliana
Bukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
Spermacophyta; Magnoliophyta; eudicotyledons; core eudicots;
rosids; eurosids II; Brassicales; Brassicaceae; Arabidopsis.
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T-DNA integration into the Arabidopsis genome depends on sequences of pre-insertion sites

EMBO Rep. 3 (12), 1152-1157 (2002)
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/mol type="mmNA"
/cultivar="Nackdong"
/db_xref="taxon:39947"
/db_xref="taxon:39947"
/tissue_type="callus"
/tissue_type="callus"
/dev_stage="proliferated callus on 2N6 media for 30 days"
/lab_host="E_coli SOLR"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Contact: Nahm B.H.
Genomics and Genetics Institute, GreenGene Biotech Inc.; Division of Bioscience and Bloinformatics, MyongJi University
Yongin, Kyeonggi, Korea
Tel: 82 31 330 6193
Fax: 82 31 321 6355
Email: bhnahm@ggbio.com, bhnahm@bio.myongji.ac.kr.
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                                                                                                                                                                   CF340244.1 GI:33828846
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Best Local Similarity 92.9%;
Matches 13; Conservative
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                                                                                                               mRNA sequence.
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ACCESSION VERSION KEYWORDS SOURCE ORGANISM

JOURNAL MEDLINE

TITLE

REFERENCE AUTHORS

DEFINITION

RESULT 6 AJ598266 LOCUS

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мизивибо
Arabidoppis thaliana T-DNA flanking sequence, left border, clone
526B05, genomic survey semmence
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                                                                                                                                                                                                                                                                                                  Brunaud, V., Balzergue, S., Dubreucq, B., Aubourg, S., Samson, F., Chavin, S., Bechlold, N., Cruaud, C., DeRose, R., Pelletier, G., Lepiniec, L., Caboche, M. and Lecharny, A.

T_DNA integration into the Arabidopsis genome depends on sequences
                                                                                                                AJ588060.1 GI:37937684
SSS; left border; T-DNA flanking sequence.
Arabidopsis thaliana (thale cress)
Arabidopsis thaliana
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EMBO Rep. 3 (12), 1152-1157 (2002)
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1 (bases 1 to 14)
Herwig,R., Schulz,B., Weisshaar,B., Hennig,S., Steinfath,M., Drungowski,M., Stahl,D., Wruck,W., Menze,A., O'Brien,J., Lehrach,H. and Radeloff,U.
Construction of a 'unigene' cDNA clone set by oligonucleotide fingerprinting allows access to 25 000 potential sugar beet genes Plant J. 32 (5), 845-857 (2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SP6-Sall-CCACGCGTCCG-Sprime-cDNA-polyA-CC-NotI-T7; Note:
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//note="vector: pCMVSPORT6; Site 1: Sall; Site 2: Not1;
cDNA library from sugar beet, library provided by KWS
Kleinwanzlebener Saatzucht AG Einbeck, Germany, contact:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Sequencing granted in the context of the GABI-Beet project, local PI: Dr. Katharina Schneider, coordinator: Prof. Christian Jung; Sequence submission managed by RZPD/GABI-Primary database: http://gabi.rzpd.de"

    1. 14
/organism="Beta vulgaris"
/mol_type="mRNA"
cultivar="KWS2320 (double haploid, monogerm breeding line)"

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15.7%; Pred. No. 7.6;
ve 0; Mismatches 2; Indels
  0.7%; Score 11.4; DB 1; Length 15; 92.3%; Pred. No. 5.4;
                                                  1; Indels
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ADIS DNA core facility at MPIZ
Max-Planck-Institute for Plant Breeding Research
Carl-von-Linne Weg 10, 50829 Koeln, Germany
Fax: 00492215062851
Email: Weisshaa@mpiz-koeln.mpg.de
Insert Length: 14 Std Brror: 0.00
Plate: 27 row: N column: 23
Seg primer: SP6; CATAGGATTAAGGACACTATAG.
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/clone="024-027-N23"
/tissue_type="developing root"
/lab_host="EMDH108"
                                                0; Mismatches
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Balzergue, S.

Balzergue, S.

Direct Submission

Submitted (13-0cr-2003) Balzergue S., UWRGV, INRA/CNRS, 2 rue

Gaston Cremieux, 91057 Evry cedex, FRANCE

Gaston Cremieux, 91057 Evry cedex, FRANCE

FOR was performed on DNA from transformants of Arabidopsis thaliana

plants from INRA (Versailles). The DNA fragment(s) resulting from

the PCR were directly sequenced from the left or the right border

to determine the genomic sequence flanking the insertion. T-DNA

derived sequences were removed. Information to order the

corresponding muteant line and a link to a database providing a

graphical display of the insertion site are available at

http://dbsgap.versailles.inra.fr/publiclines/. This sequence has

been generated in the framework of the French plant genomics

program (Genoplante', (http://www.genoplante.com and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /db_xref="taxon:3702"
/clone="526B05"
/clone_lib="Arabidopsis thaliana T-DNA insertion lines"
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85.7%; Pred. No. 7.6;
trive 0; Mismatches 2;
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Location/Qualifiers
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/cultivar="Wassillewskija"
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Job time : 0.001 secs
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247 CCCCCACCTCCCC 260

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